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US

REGISTERED

REGISTERS
VENTS AND
GRILLES

UNITED STATES REGISTER COMPANY

BATTLE CREEK

MICHIGAN



Catalog No. 26—A. C.

Issued June 1, 1936

U. S. AIR-CONDITIONING REGISTERS and VENT FACES

A REGISTER Consists of a REGISTER FACE, with or without Attaching Frame, and an Opening and Closing Damper for Air Current Control. A VENT FACE may be used in any location and is usually used without an Opening and Closing Device.

PERFORATED METAL GRILLES
ALUMINUM BACK-PRESSURE DAMPERS
U. S. GOVERNOR and VENTILATING
MULTI-LOUVER REGISTERS

UNITED STATES REGISTER CO.

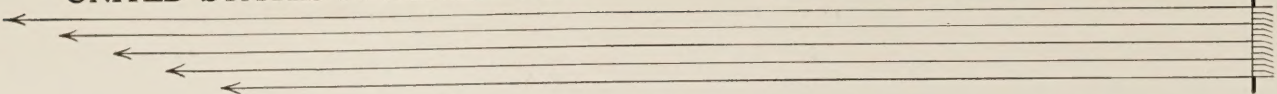
BATTLE CREEK, MICHIGAN, U.S.A.

Minneapolis, Minn.

Kansas City, Mo.

Albany, N. Y.

San Francisco, Calif.



VARIOUS STYLES OF AIR-CONDITIONING REGISTERS AND VENTS ARE REQUIRED ON DIFFERENT TYPES OF INSTALLATIONS AND UNDER DIFFERENT CONDITIONS.

Where Non-vision and Directional Air-Flow is unimportant we offer Air-Conditioning Registers and Vents made of Perforated Metal. The application and selection of these lines is a matter for the Air-Conditioning engineer to decide.

Under present-day conditions when and where the very latest modernistic simplicity and dignity is required in Air-Conditioning Registers and Vents, we offer in U. S. Air-Conditioning Registers of Close and Open Space Fin-Type Styles, the following outstanding requisites:

Close-Space Styles afford positive non-vision feature. Open-Space Styles offer very little interior vision. Close and Open Styles afford any directional flow of air. Fin-type can be finished with brush and paint. Fin-type lines can be washed, wiped and easily cleaned. Compare these outstanding features of U. S. Air-Conditioning Registers with other lines of Forced-Air Registers.

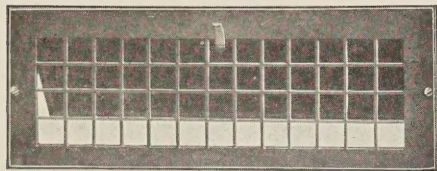
The construction of the bars comprising the face design of U. S. (Fin-Type) Air-Conditioning Registers makes it possible to obtain any desired Air-Flow by the assembly in manufacturing.

The Bent-Bar Construction in horizontal bar designs graduates the air current from the perpendicular to the horizontal outlet flow.

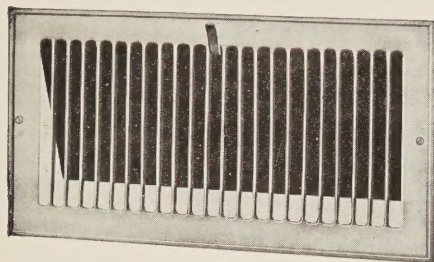
**IMPORTANT -- Prices in this Catalog No. 26
Supplant and Render Obsolete All Pre-
vious Prices and Prices in No. 24 Catalog.**

U. S. AIR-CONDITIONING REGISTERS Made of PERFORATED PRESSED STEEL

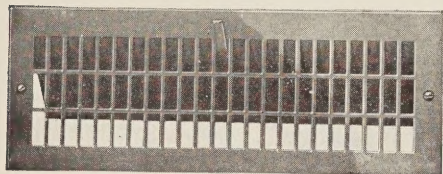
ONE-PIECE SIDEWALL



Style 101—One piece with detachable
Band-Steel Stackhead Frame



Style 102—Vertical Bar Design
Bars folded and pinched



Style 103—Vertical Oblong Lattice Design

STYLE 107—Is a One-Piece Baseboard Register made of one piece of Heavy Gauge Steel punched in Square Lattice Design. Depth of baseboard flange is $\frac{7}{8}$ inch. Stackhead opening sets $\frac{5}{8}$ inch above finished floor.

STYLE 108—Is a One-Piece Baseboard Register, punched and embossed into a beautiful Vertical Embossed Bar Pattern. Same depth of flange and setting distance from finished floor as Style 107.

STYLE 109—A Vertical Oblong Lattice of Punched Steel. Styles 107, 108, and 109 are all of one-piece construction and attach to wall with wood screws furnished with each register. May be supplied with Seal-Pak Frame if so specified. Can also be used with Seal-Pak Stud Frame.

Styles 107, 108, and 109 are listed on page 27.

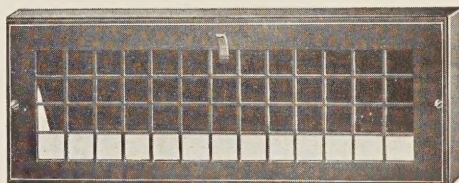
STYLE 101—Is made of Heavy Gauge Punched Steel. Square Lattice Design. Edges of face are bevelled unless otherwise ordered. Equipped with detachable Band-Steel Box Frame which attaches to head with straps, metal screws or stackhead may be flanged over to hold frame in place.

STYLE 102.—Is made of Heavy Gauge Steel, punched and beautifully embossed, forming perfect rigid Vertical Bar Design. This is also equipped with detachable Band-Steel Frame which fits inside of stackhead. Edges are bevelled unless otherwise ordered.

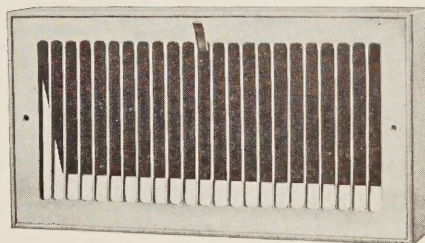
STYLE 103—Is made of Heavy Gauge Steel, punched to form an attractive Vertical Oblong Lattice Pattern. Edges are bevelled unless otherwise ordered. Equipped with band-steel frame.

Styles 101, 102, and 103 can be supplied less band steel box frames if required. Styles 101, 102, and 103 are listed on page 27.

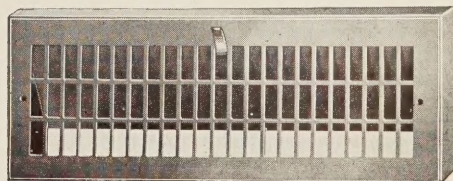
ONE-PIECE BASEBOARD



Style 107



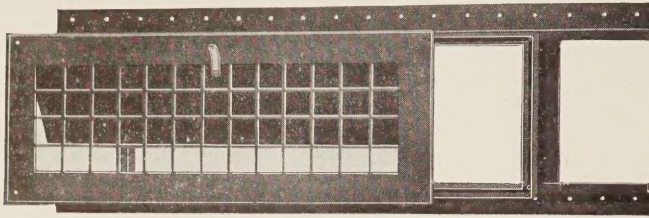
Style 108—Vertical Embossed Bar Design



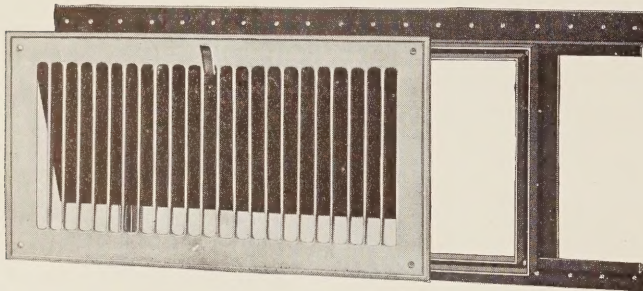
Style 109—Vertical Oblong Lattice Design

U. S. AIR-CONDITIONING REGISTERS Made of PERFORATED PRESSED STEEL with SEAL-PAK STUD-FRAME

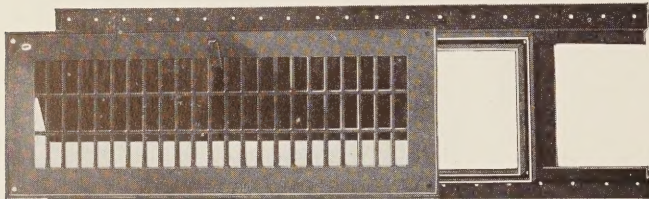
TWO-PIECE SIDEWALL



Style 104—With SEAL-PAK Studding Frame



Style 105—Vertical Bar Design With SEAL-PAK Studding Frame



Style 106—Vertical Oblong Lattice With SEAL-PAK Studding Frame

The SEAL-PAK Studding Frame attaches to studding and properly installed with channel filled with plastic calking compound, felt or filler, a positive streak-proof joint is effected. The stackhead also flanges over and is clinched into channel of frame.

STYLE 110—Two-Piece Baseboard Register. Square Lattice Design. Box bent over frame makes a Leak-Proof connection between the register frame and stackhead.

STYLE 111—Two-Piece Baseboard Register. Vertical Embossed Bar Design. Baseboard flange is $\frac{7}{8}$ inch deep. Setting distance of stackhead opening is $\frac{5}{8}$ inch from finished floor line.

STYLE 112—Two-Piece Baseboard Register. A neat, Vertical Oblong Lattice Punched Steel Pattern.

STYLES 110, 111, and 112 can be attached to walls with bent-over Box-Flanges or with wood screws.

Styles on this page are listed on page 27.

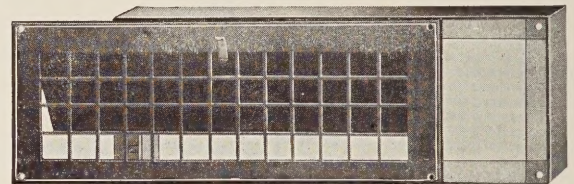
STYLE 104—Two-Piece Sidewall Register with SEAL-PAK Stud-Frame. Square Lattice Design. Furnished with Sidewall Frames or with Deep Frames for Baseboard setting.

STYLE 105—Two-Piece Sidewall Register in Vertical Embossed Bar Pattern. SEAL-PAK Stud-Frames for wall installation furnished unless order denotes Baseboard installation when Deep Studding-Frames can be furnished.

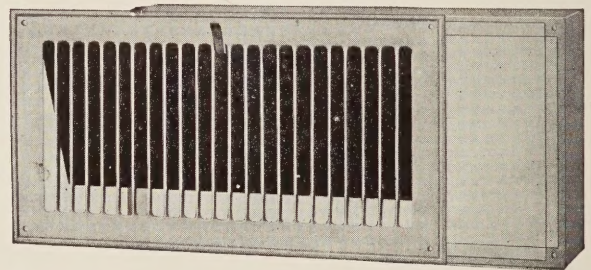
STYLE 106—Two-Piece Sidewall Register. Vertical Oblong Lattice Design. Otherwise the same as Designs 104 and 105.

Stackhead should be flanged over frames of Styles 104, 105, and 106 to prevent leakage between stackhead and frame.

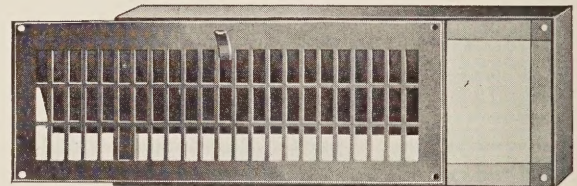
TWO-PIECE BASEBOARD



Style 110— $\frac{13}{16}$ " Square Mesh, $\frac{3}{16}$ " Bars



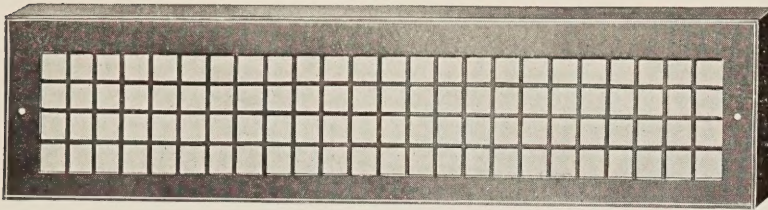
Style 111—Vertical Embossed Bar Design



Style 112—Vertical Oblong Lattice Design

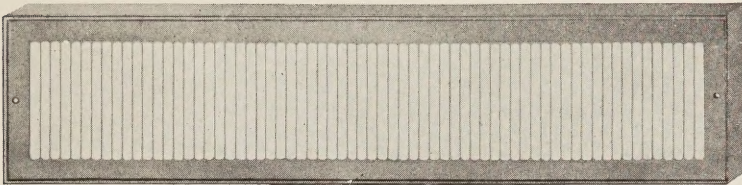
Above "A-C" registers to be set in baseboard. Center is removable and through and over the frame the register box is flanged to prevent air leakage. Depth of baseboard flange is $\frac{7}{8}$ inch. Stackhead opening sets $\frac{5}{8}$ inch above finished floor line. Outside frame is attached to wall by screws. Order by stackhead opening size, style number and finish.

U. S. AIR-CONDITIONING VENT FACES of PERFORATED STEEL

BASEBOARD FLANGE $\frac{7}{8}$ Inch Deep.

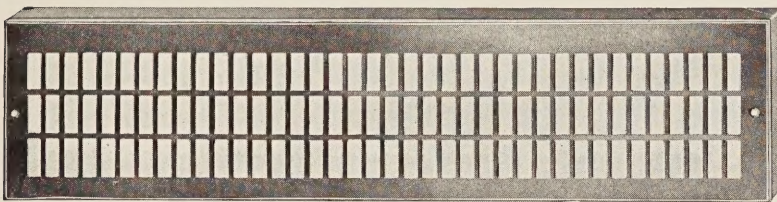
Style 113

STYLE 113—Square Mesh. Depth of baseboard flange $\frac{7}{8}$ inch. Attaches to wall with wood screws.



Style 114

STYLE 114—Vertical Embossed Bar Design. Attaches to wall with wood screws.



Style 115

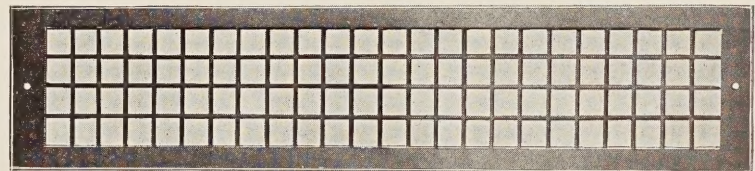
STYLE 115—Vertical Oblong Lattice Design. Attaches to wall with wood screws.

Stud Frames can be furnished on request for Base and Flat Vents. Styles 113, 114, and 115 are listed on page 31.

Sidewall or Flat Flange Vents

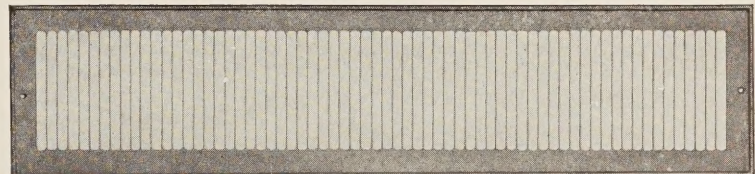
To be installed in sidewall or against flat surfaces with wood screws. Furnished either with or without box frames but, without, unless ordered. Bevelled edge blank borders are one inch. Narrower straight edge borders can be furnished on special order.

STYLE 116—Square Mesh. Attaches to surface with wood screws.



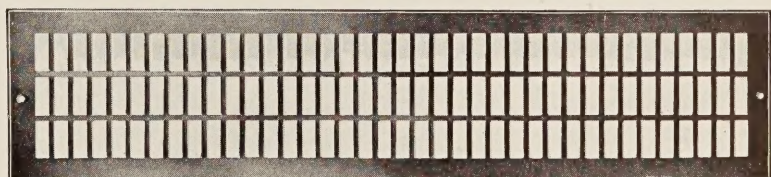
Style 116

STYLE 117—Vertical Embossed Bar Design. Attaches to surface with wood screws.



Style 117

STYLE 118—Vertical Oblong Lattice Design. Attaches to surface with wood screws.

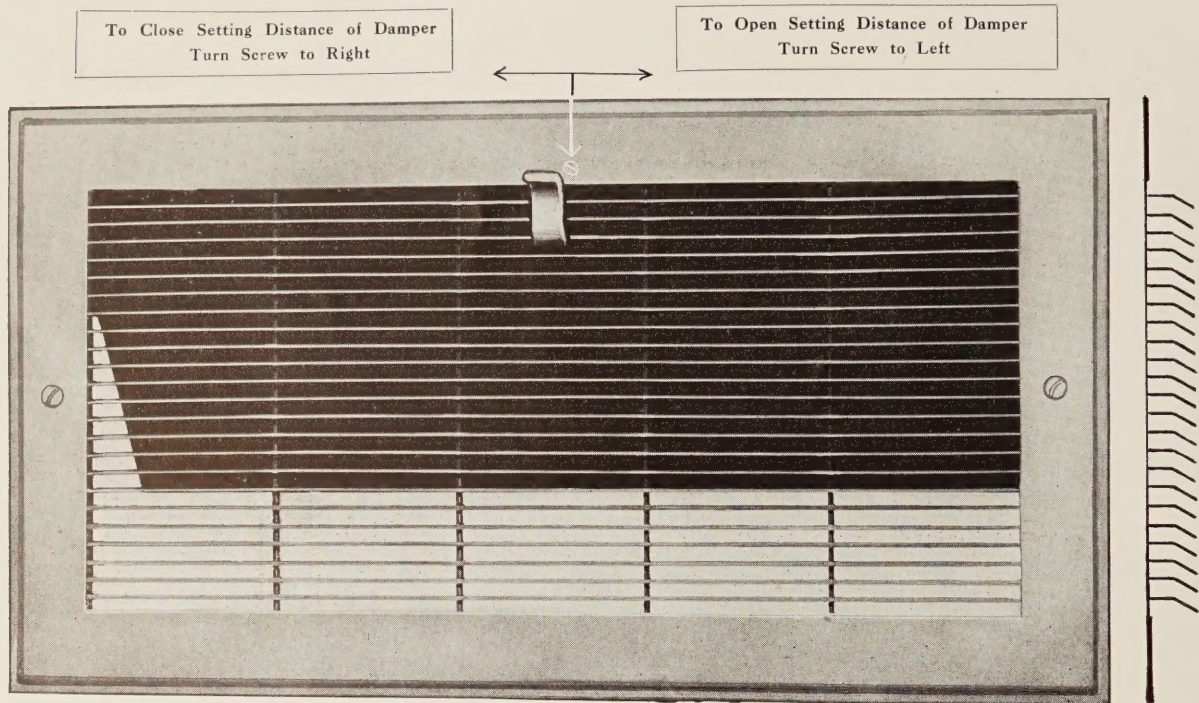


Style 118

Styles 116, 117, and 118 are listed on page 30. Order by style number, face size and finish.

ILLUSTRATED — ONE-HALF ACTUAL SIZE OF U. S. CLOSE-SPACE AIR-CONDITIONING REGISTER DESIGN. HORIZONTAL STRAIGHT FLOW STYLE

Showing "Positive Damper-Stop" for Balance-Air Work.



Depth of Fin-Bars $\frac{3}{4}$ inch.
Spacing of Fin-Bars $\frac{3}{16}$ inch clear.
Width of Borders 1 inch.

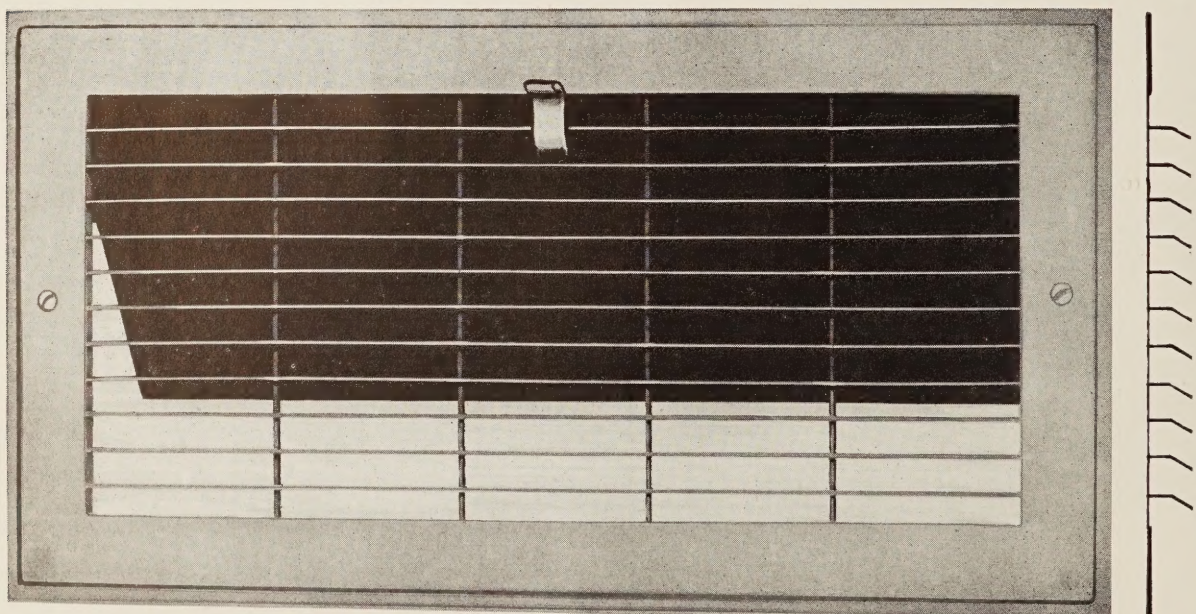
Narrow Deep Fin-Bars obstruct all of interior view.
Bevelled Edge Borders are 1 inch wide. Borders 1 inch and narrower furnished in straight edge.

Showing Fin-Bar Arrangement

ILLUSTRATED — ONE-HALF ACTUAL SIZE OF U. S. OPEN-SPACE AIR-CONDITIONING REGISTER DESIGN. A Decidedly New Patented Feature

IMPORTANT: Note "SCREW-SET" back of operating lever which limits the opening of damper for any desired volume, yet permits closing of damper. Can be furnished on any styles of U. S. Air-Conditioning Registers. After register is adjusted and set the Recessed Screw-Set is covered with paint when register is finished. Damper Stop Registers take additional 50c List over Regular List. This is not Regular Equipment.

Horizontal Straight Flow



Depth of Fin-Bars $\frac{3}{4}$ inch.
Spacing of Fin-Bars $\frac{3}{8}$ inch clear.
Width of Borders 1 inch.

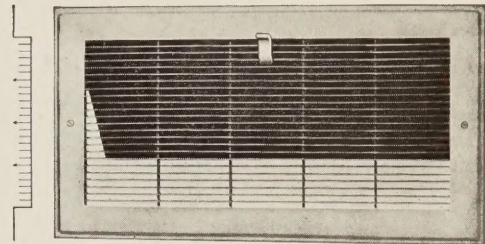
Deep Fin-Bars obstruct interior view and direct air flow.

Showing Fin-Bar Arrangement

The same specifications as above given applies to all styles of Directional Flow in U. S. Close-Space and Open-Space Fin-Type Air-Conditioning Registers. Furnished in all directional flows.

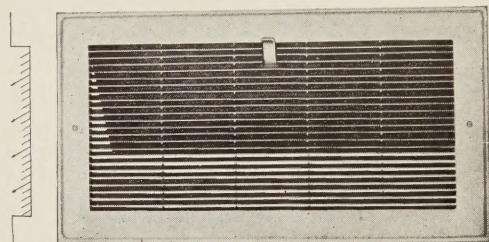
U. S. AIR-CONDITIONING REGISTERS CLOSE-SPACE (Fin-Type Styles)

STYLE 119—Border is made of one solid piece of steel to which is attached the fret-work or core. Close-Space construction obstructs interior view. Affords straight horizontal air flow. Detachable Band Steel Frame attaches to stackhead.



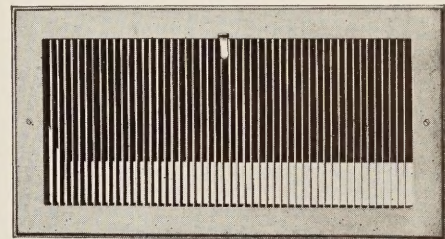
Style 119—Horizontal Close-Space Design

STYLE 120—Is for use where down flow of air current is desired. This style is furnished with 22° down flow unless otherwise ordered. Can also be furnished in 45° down flow if required. In this style the interior view is completely obstructed.



Style 120—Horizontal Close-Space Design

STYLE 121—Is designed for requirements of a Close-Space Vertical Bar Design. A neat non-vision type.



Style 121—Vertical Close-Space Design

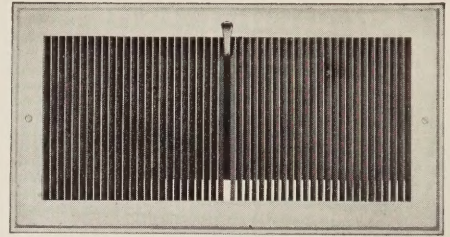
All U. S. A-C Registers on this page are of the so-called "One-Piece" construction, i. e., a border of one piece of steel with fret work welded thereto, making one integral unit, and a band-steel frame which is detached from face and attached to inside of stackhead and to which frame the face is afterwards attached with screws. The construction of this line permits easy painting as the spacing bars which on ordinary registers cause "paint-drips" are on back of face.

Styles 119, 120, and 121 are furnished with faces having one-inch borders and bevelled edge unless otherwise ordered. These styles can also be furnished with straight edge borders $\frac{3}{4}$ and $\frac{7}{8}$ inch wide. Styles on this page are intended to set in the wall or against flat surfaces.

Styles 119, 120, and 121 are listed on page 28.

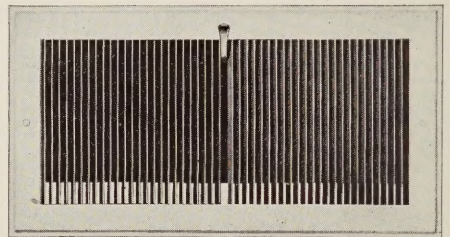
U. S. AIR-CONDITIONING REGISTERS CLOSE-SPACE (Fin-Type Styles) Continued

STYLE 122—Also a One-Piece Register but in Vertical Close-Space Design with Vertical Bars set at 22° right and left angle to render two-way diffusion. Also 22° and 45° right, left, and multi-flow according to specific requirement. Designate clearly if other than two-way flow is required.



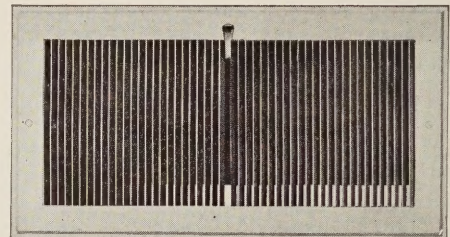
Style 122—Vertical Close-Space Design

STYLE 123—Is built for the purpose of directing air flow to the right as you face the register. Right flow is always furnished at 22° angle from face as you face the register unless otherwise ordered. Can also be furnished in 45° angle. Bars are set in fixed vertical position, close-space construction.



Style 123—Vertical Close-Space Design

STYLE 124—Vertical Close-Space Design with bars set in fixed position to direct air flow to left as you face the register. Left flow is always furnished at 22° angle from face as you face the register unless otherwise ordered. Can also be furnished in 45° angle.



Style 124—Vertical Close-Space Design

All registers on this page are of One-Piece construction. The band frame is attached inside of stackhead and register is attached to band frame with screws.

The same easy painting and cleaning qualities prevail in styles on this page as with styles 119, 120, and 121.

All Borders are bevelled edge unless otherwise ordered. When Borders $\frac{7}{8}$ inch wide or less can be furnished with straight edge if so specifically ordered.

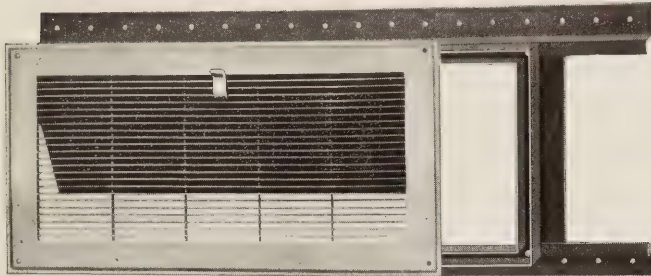
Styles 123 and 124 are specially adapted for use in corner room locations to direct air current out into the room and away from the sidewall.

Styles 122, 123, and 124 are listed on page 28.

U. S. AIR-CONDITIONING SIDEWALL REGISTERS CLOSE-SPACE (Fin-Type Styles)

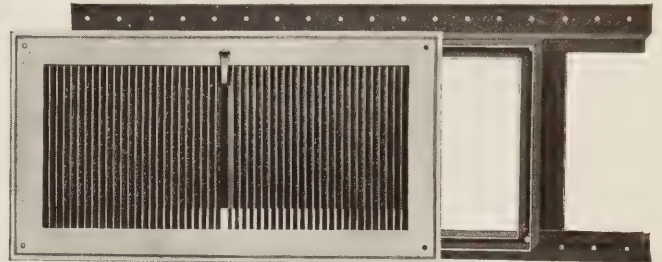
Two-Piece Sidewall Style with SEAL-PAK Stud-Frame for Leak-Proof Installations. Easiest to Install and SEAL TIGHT.

(FIN-TYPE) TWO-PIECE SIDEWALL
With SEAL-PAK Stud Frame — Note frames closely

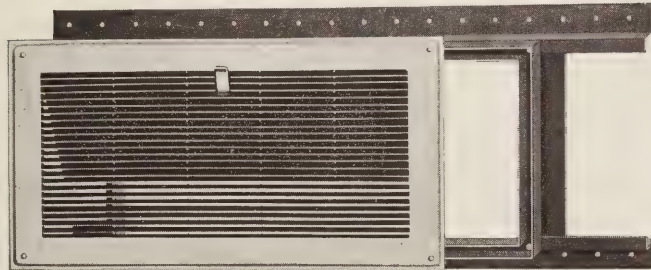


Style 125—Horizontal Close-Bar
Straight flow from register face.

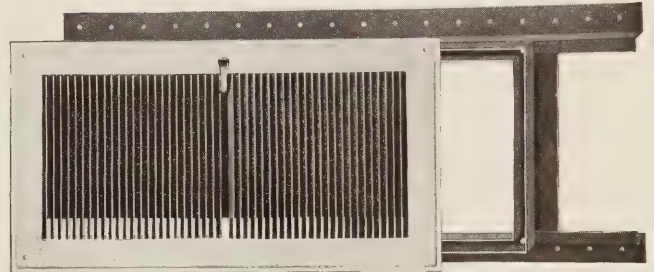
(FIN-TYPE) TWO-PIECE SIDEWALL
With SEAL-PAK Stud Frame — Note frames closely



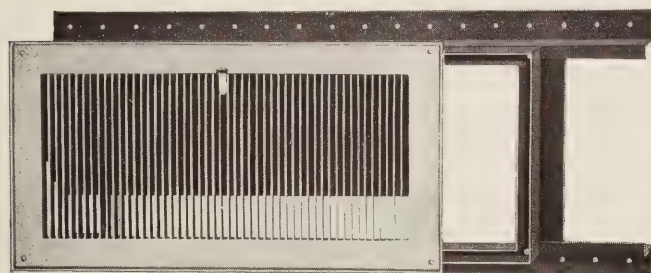
Style 128—Vertical Close-Bar Design
22° and 45°. Also with three, four and five-way diffusion.



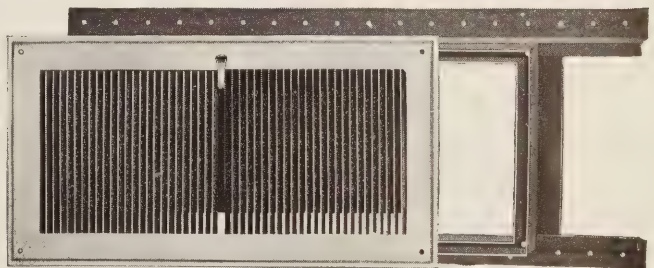
Style 126—Horizontal Close-Bar 22°
Downward flow. Can be furnished in 45°



Style 129—Vertical Close-Bar Design
22° also 45° right diffusion



Style 127—Vertical Close-Bar Design
Straight flow



Style 130—Vertical Close-Bar Design
22° also 45° left diffusion

Box-flange bends over and into SEAL-PAK Frame preventing leakage.

Order by style number, stackhead size and finish.

Made in All Desired Directional Flow Styles

For a correct installation the SEAL-PAK FRAME is attached to the studding and the box is bent over the Stud Frame which seals joint between the box and frame. Then the Channel Bar, a part of the SEAL-PAK Frame, is filled with a felt strip, plastic cement or compressible filler and face is then drawn to frame with metal screws and the "filler" in channel compressed against the face seals space or leaks between frame and register face. Overlap of face over frame covers any defective plaster joint around frame. Studs set wider than 16 inches on center require stud frames with wider attaching arms, furnished as ordered.

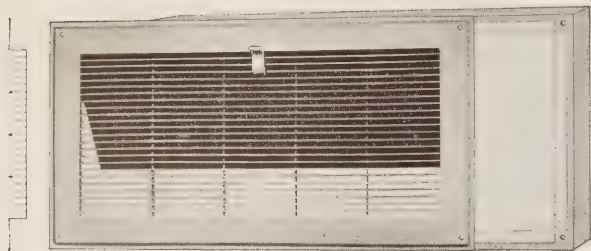
All Two-Piece Sidewall A. C. Registers will be supplied with Sidewall SEAL-PAK Stud-Frames.

All Two-Piece Baseboard A. C. Registers with Flat Faces will be supplied with Baseboard SEAL-PAK Stud-Frames which are $\frac{7}{8}$ inch deeper than Sidewall SEAL-PAK Frames.

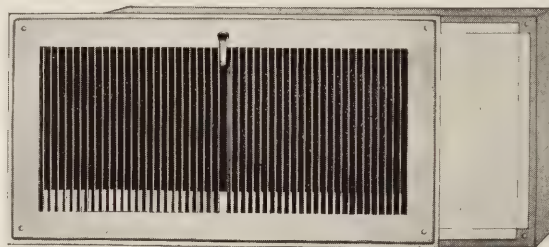
Styles on this page are listed on page 28.

U. S. AIR-CONDITIONING BASEBOARD REGISTERS (Close Space) (Fin-Type)

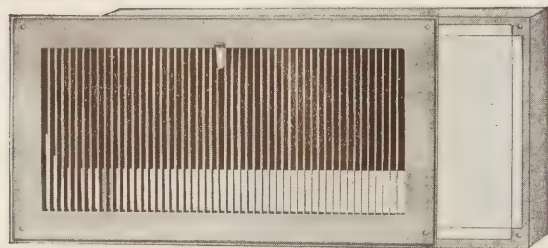
Two-Piece Baseboard Style with Detachable Base Frame Over which the Stackhead is Flanged, Making a Positive Leak-Proof Connection



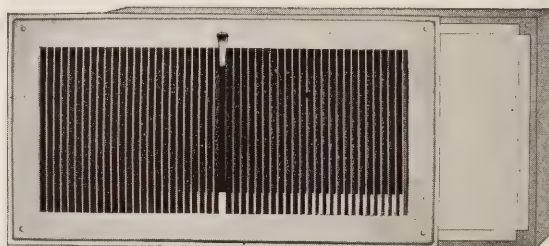
Style 136—Horizontal Close-Bar Design
Air-flow is straight through face.
Can also be furnished with 22° down-flow.



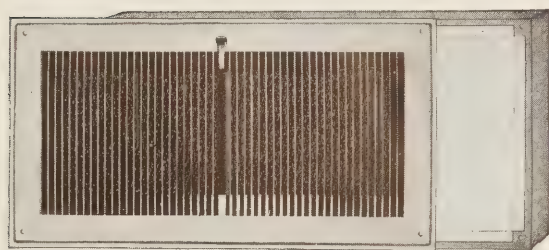
Style 139—Vertical Close-Bar Design
22° or 45° right diffusion.



Style 137—Vertical Close-Bar Design
Air-flow is straight through face.



Style 140—Vertical Close-Bar Design
22° or 45° left diffusion.



Style 138—Vertical Close-Bar Design
22° two-way diffusion. Can be furnished in three, four or five-way 22° and 45° diffusion.

Styles 136, 137, 138, 139, and 140 are made with top and end flanges $\frac{7}{8}$ inch deep. Flanges less than $\frac{7}{8}$ inch deep can be furnished at slight extra charge. Stackhead opening sets $\frac{5}{8}$ inch above floor.

Order by style number, box size and finish.

NOTE: The Baseboard Frame fits over the stackhead flange.

The Stackhead Flange comes through and bends over the baseboard frame. Result is a Streak-Proof connection.

The $\frac{7}{8}$ inch Baseboard butts up to baseboard frame which is same depth, or can be broken around the frame. The frame is attached to wall with screws, or can be held tightly to the wall by the bent-over box flange. When installation is completed, the register has the appearance of a one-piece unit but is in reality a complete Two-Piece Streak-Proof installation.

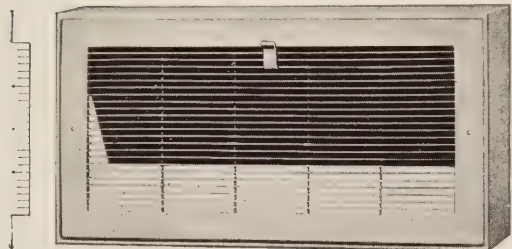
Styles on this page are listed on page 28.

U. S. AIR-CONDITIONING BASEBOARD REGISTERS (Close Space) (Fin-Type)

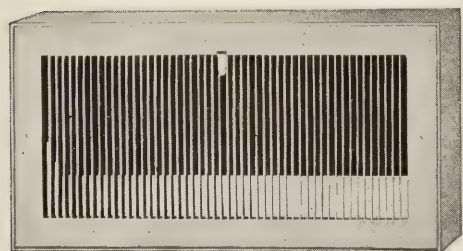
One-Piece Baseboard Style, $\frac{7}{8}$ Inch Deep Flange, To Be Attached to Wall with Two Wood Screws or with Screws to Baseboard Studding Frame

(FIN-TYPE) ONE-PIECE BASEBOARD

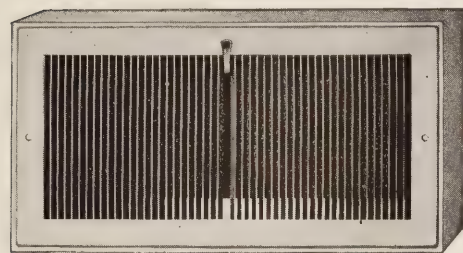
Attaches to wall with two wood screws furnished with each register.



Style 131—Horizontal Close-Bar Design
Air-flow is straight out through the face.
Can also be furnished with 22° down-flow.



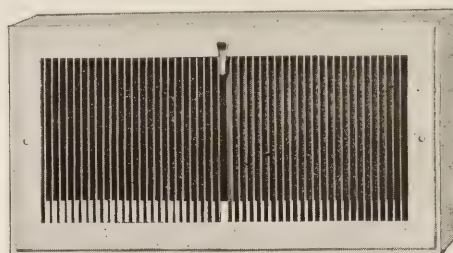
Style 132—Vertical Close-Bar Design
Air-flow is straight out through the face.



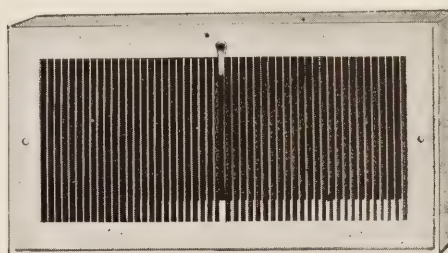
Style 133—Vertical Close-Bar Design
22° right and left diffusion also 45° if required.
Order by style number, box size and finish.

ONE-PIECE BASEBOARD

Attaches to wall with two wood screws furnished with each register.



Style 134—Vertical Close-Bar Design
With 22° or 45° right diffusion through the face.



Style 135—Vertical Close-Bar Design
With 22° or 45° left diffusion through the face.

Set stack opening $\frac{5}{8}$ inch from finished floor.
 $\frac{7}{8}$ inch base flange.

Styles 134 and 135 are built for corner room register locations which necessitates deflection of air currents away from nearby sidewall. Extra charge for flanges narrower than $\frac{7}{8}$ inch.

Order by style number, box size and finish.

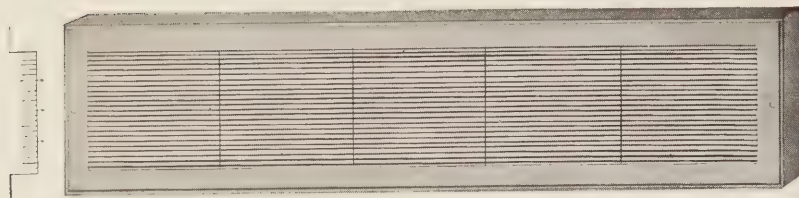
Base Flange is $\frac{7}{8}$ inch deep. Stackhead bottom opening sets $\frac{5}{8}$ inch above finished floor.

Installation of One-Piece Baseboard Registers requires care in packing and sealing space between register and stackhead to prevent air leakage and streakage.

If SEAL-PAK Stud-Frames are required these must be installed before lath and plaster is applied. When ordered with SEAL-PAK Channel Box Frame attached to register this SEAL-PAK frame filled with calking compound, plastic or filler when pressed against the box the box or stackhead collar becomes imbedded in the plastic or compound-filled SEAL-PAK channel and seals all leaks.

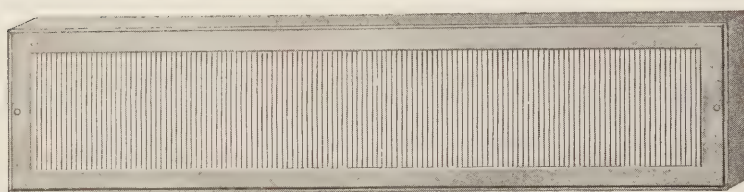
Styles on this page are listed on page 28.

U. S. AIR-CONDITIONING VENT FACES (Close Space) (Fin-Type)

Baseboard Styles, $\frac{7}{8}$ Inch Flange. Horizontal and Vertical Bar Designs

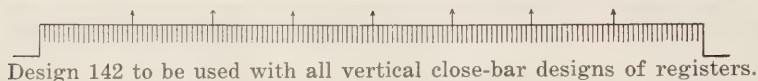
Style 141—Horizontal Close-Bar Design.
Attaches to wall with wood screws

Design 141 to be used with all horizontal close-bar designs of registers.



Style 142—Vertical Close-Bar Design
Attaches to wall with wood screws.

Base flange extension $\frac{7}{8}$ inch.
Order by style number, box size and finish.



Design 142 to be used with all vertical close-bar designs of registers.

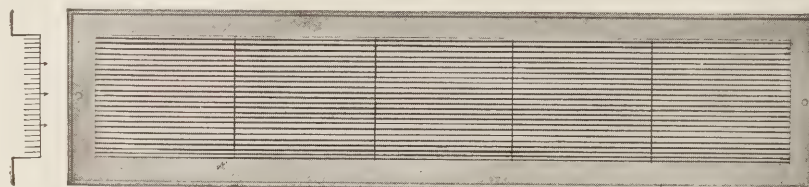
Styles 141 and 142 with Baseboard Flange narrower than $\frac{7}{8}$ inch may be furnished on special order.

U. S. Air-Conditioning Flat Flange Vent Faces

Styles 141 and 142 are listed on page 31.

Style 143—Horizontal Close-Bar Design
Attaches to flat surface with wood screws.

If flat straight edge borders are required these can be furnished in $\frac{7}{8}$ and $\frac{3}{4}$ inch width.

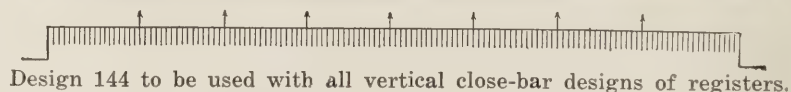
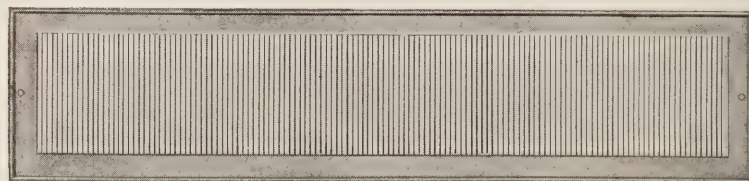


Design 143 to be used with all horizontal close-bar designs of registers.

Style 144—Vertical Close-Bar Design
Attaches to flat surface with wood screws.

Order by style number, box size and finish.
Bottom flange can be cut to special narrow width when so specially ordered.

Styles 143 and 144 are listed on page 30.



Design 144 to be used with all vertical close-bar designs of registers.

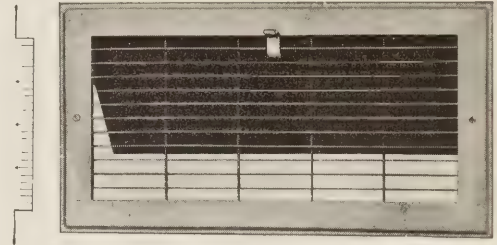
U. S. AIR-CONDITIONING REGISTERS (Open Space) (Fin-Type)

Made with Wider Spacing of Bars, But in Same Classes, Sizes and for Same Purposes as Close-Space, Fin-Type A-C Registers. One-Piece with Detachable Box Frame

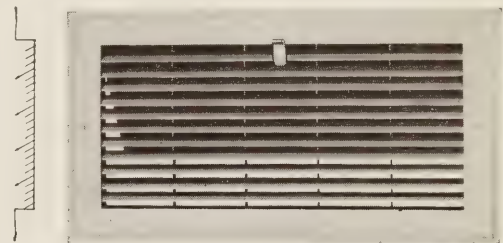
STYLE 119-O—Border is made of one piece of steel with bevelled edge to which is welded the fret-work core. Affords straight horizontal air-flow. The detachable band steel frame attaches to and inside of stackhead with straps or metal screws.

STYLE 120-O—Horizontal bars are set to afford a 22° down-flow of air current. Can also be furnished in 45° down flow. 22° down-flow is always furnished unless otherwise specified.

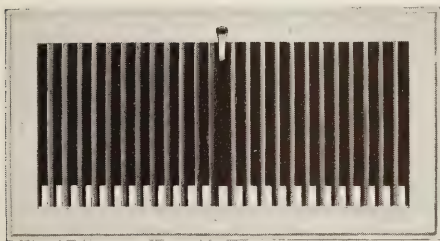
STYLE 121-O—Designed for requirement of a Vertical Bar Straight Flow Design. A very neat design for this particular requirement.



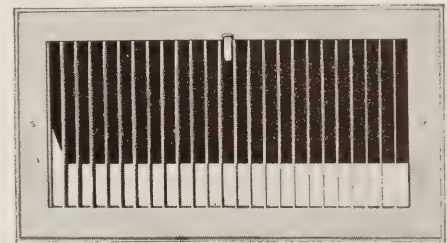
Style 119-O—Horizontal Open-Space Design



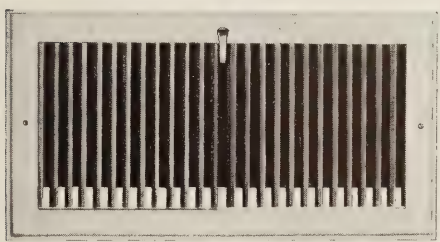
Style 120-O—Horizontal Open-Space Design



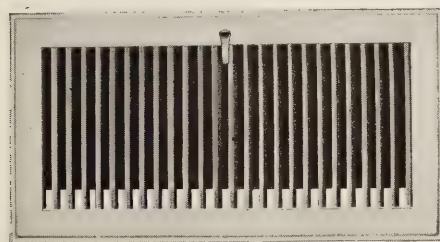
Style 122-O—Vertical Open-Space Design



Style 121-O—Vertical Open-Space Design



Style 123-O—Vertical Open-Space Design



Style 124-O—Vertical Open-Space Design

STYLE 122-O—Two-way Directional Flow. 22° or 45°. Also multi-flow straight, right and left, 22° or 22° and 45°. If multi-flow, designate desired air-flows clearly.

STYLE 123-O—One-way right flow for directing air current to right as you face the register. Right flow 22° always furnished unless otherwise specified. Also furnished in 45°.

STYLE 124-O—One-way left flow for directing air current to left. Left flow of 22° always furnished unless 45° is required.

Above styles are listed on page 29.

All styles on this page are furnished with band frames which set inside of stackhead.

U. S. AIR-CONDITIONING REGISTERS (Open Space) (Fin-Type)

With SEAL-PAK Stud Frame which Assures Leak-Proof Installations

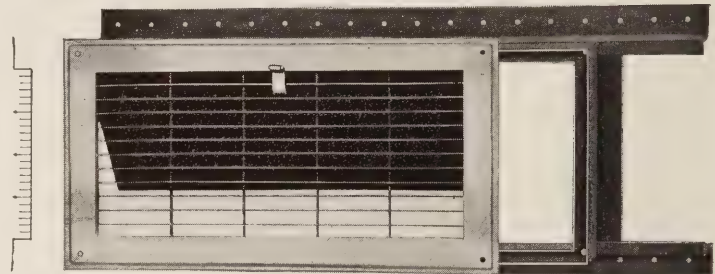
Note Carefully the SEAL-PAK FRAME.

STYLE 125-O—Two-piece sidewall style. With SEAL-PAK Studding Frame equipped with channel for holding plastic or fabric sealing material to close leaks between frame and back of register face. Horizontal bar straight flow.

STYLE 126-O—Two-piece sidewall style with SEAL-PAK Stud Frame. Air current is 22° down-flow. Can also be furnished in 45° down-flow.

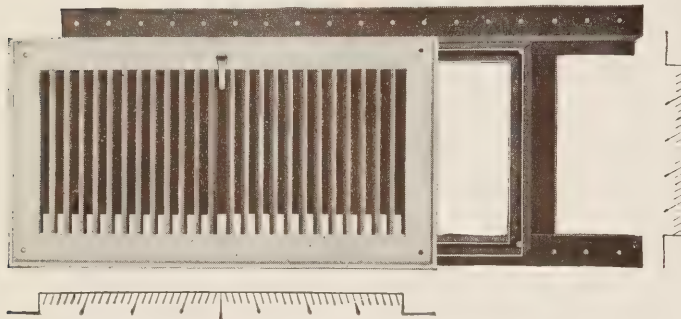
STYLE 127-O—Two-piece sidewall style with SEAL-PAK Stud Frame. A neat vertical bar pattern with straight air-flow through register face.

TWO-PIECE SIDEWALL

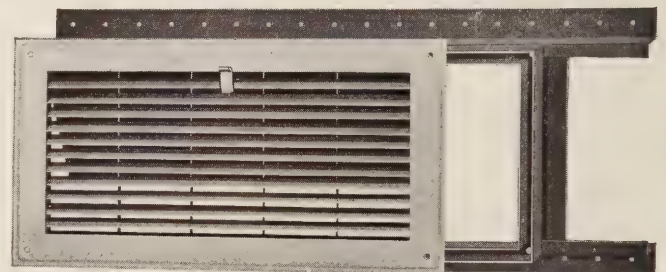


Style 125-O—Horizontal Open Space Design

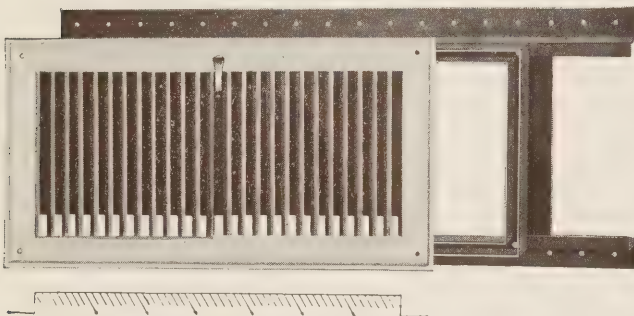
TWO-PIECE SIDEWALL



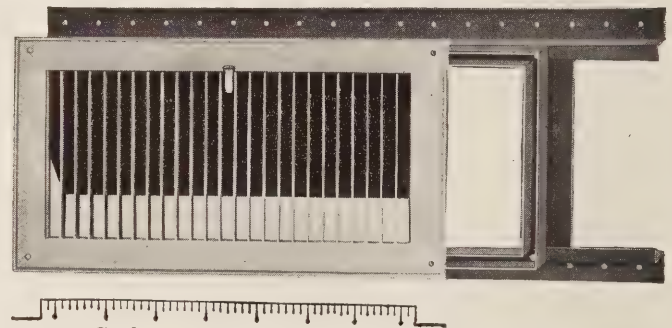
Style 128-O—Vertical Open Space Design



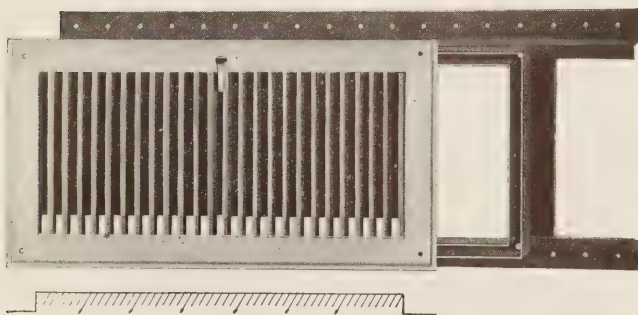
Style 126-O—Horizontal Open Space Design



Style 129-O—Vertical Open Space Design



Style 127-O—Vertical Open Space Design



Style 130-O—Vertical Open Space Design

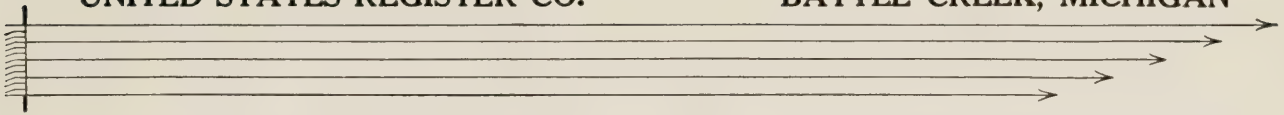
STYLE 128-O—Two-piece sidewall style. Bars are set vertically to furnish right and left flow 22° or 45°. Can also be furnished three-way and any desired diffusional multi-flow.

STYLE 129-O—A two-piece sidewall style for use where right-flow 22° is required. Can also be furnished in 45°.

STYLE 130-O—A two-piece sidewall style for use where left-flow 22° is required. Can also be furnished in 45°.

Above styles are listed on page 29.

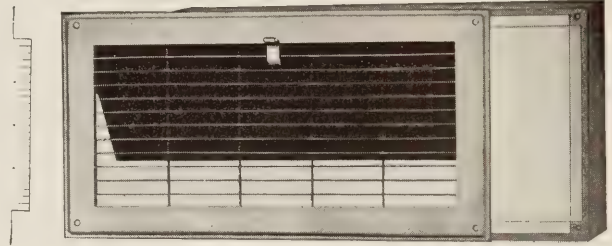
All styles on this page are equipped with SEAL-PAK Stud-Frames.



U. S. AIR-CONDITIONING BASEBOARD REGISTERS (Open Space) (Fin-Type)

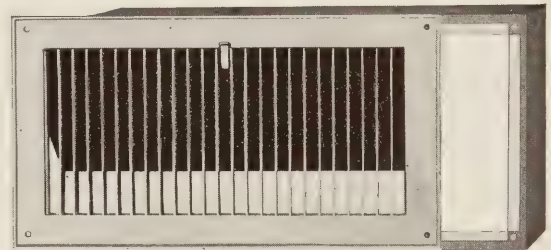
Two-Piece Baseboard Style with Detachable Baseboard Frame Over which the Stackhead is Flanged, Making a Positive Leak-Proof Connection

STYLE 136-O—Two-piece Baseboard Style. Horizontal bar straight airflow. Stackhead flanges over and through frame to make Leak-Proof Connection. Frame is $\frac{7}{8}$ inch deep and attaches to wall. Stackhead opening sets $\frac{5}{8}$ inch above finished floor. Can also be furnished in 22° down-flow.



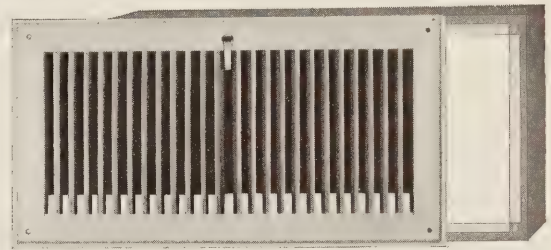
Style 136-O—Horizontal Open-Space Design

STYLE 137-O—Two-Piece Baseboard Style. Vertical bar straight-flow. Stackhead bent over frame affords a positive Leak-Proof Connection. Center attaches to frame with screws.

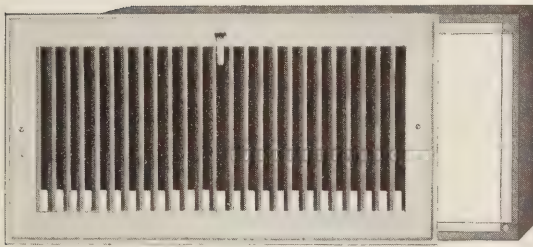


Style 137-O—Horizontal Open-Space Design

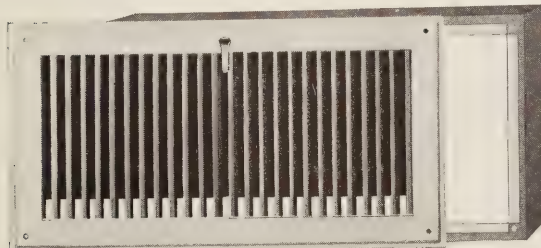
STYLE 138-O—Vertical Bars set to give 22° or 45° right and left flow. Also furnished in 22°, 45° and straight flows or in other words Multi-Flow. Give definite description of desired air flow.



Style 138-O—Vertical Open-Space Design



Style 139-O—Vertical Open-Space Design



Style 140-O—Vertical Open-Space Design

STYLE 139-O—Bars are set at 22° or 45° right flow. For use in corner room locations where diversion of air current to the right is required.

STYLE 140-O—Bars are set at 22° or 45° left flow. For same purpose as Style 139-O excepting air-flow is to the left instead of to the right.

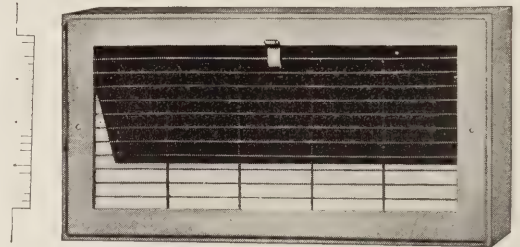
All Two-Piece U. S. A-C Baseboard Registers have detachable baseboard frames which afford streak-proof installations. Stackhead openings set $\frac{5}{8}$ inch above finished floor. Baseboard frame is $\frac{7}{8}$ inch deep. The **FINEST** and **MOST PRACTICAL BASEBOARD A-C REGISTER** made.

Above styles are listed on Page 29.

U. S. AIR-CONDITIONING BASEBOARD REGISTERS (Open Space) (Fin-Type)

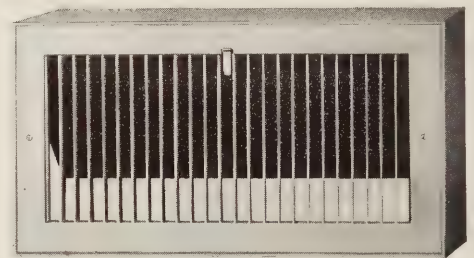
One-Piece Baseboard Style, $\frac{7}{8}$ Inch Deep Flange, to Be Attached to Wall with Wood Screws or with Screws to Baseboard Stud Frame

STYLE 131-O—One-Piece Baseboard. Horizontal Bar. Straight flow. Attaches to wall with wood screws or with metal screws to baseboard stud frame, which takes a separate list price. Can also be furnished in 22° down-flow.



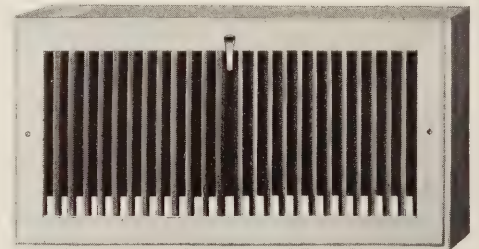
Style 131-O—Horizontal Open-Space Design.

STYLE 132-O—One-Piece Baseboard. Vertical bar design. Affords straight air flow. Attaches to wall or baseboard stud frame.

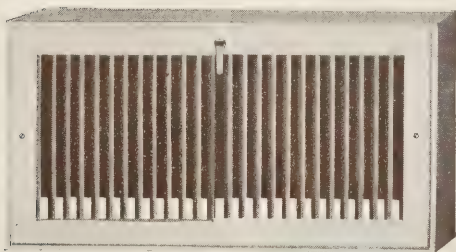


Style 132-O—Vertical Open-Space Design.

STYLE 133-O—Designed for two-way, three-way, or multi-flow 22° and 45°. Describe definite diffusion required if other than two-way.



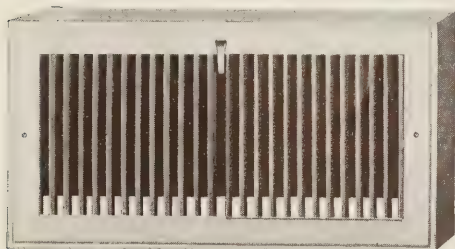
Style 133-O—Vertical Open-Space Design.



Style 134-O—Vertical Open-Space Design

Style 134-O—Designed for right directional flow 22° or 24°. Especially adapted to corner room locations.

Style 135-O—Designed for left directional flow 22° or 45° if desired. Especially adapted to corner room locations.



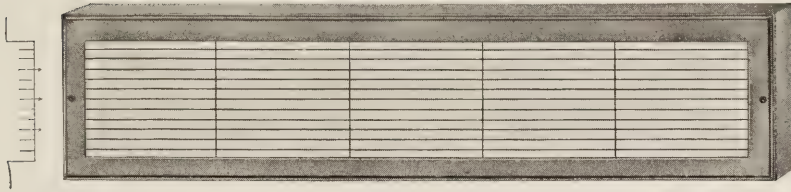
Style 135-O—Vertical Open-Space Design

All U. S. One-Piece Baseboard Registers can be attached to wall with wood screws or with metal screws to baseboard stud frames. Also furnished with SEAL-PAK channels attached if so ordered.

Above styles are listed on page 29.

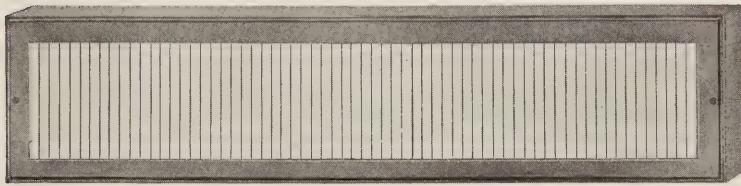
U. S. AIR-CONDITIONING VENT FACES (Open Space) (Fin-Type)

Baseboard Styles, $\frac{7}{8}$ Inch Flange. Horizontal and Vertical Bar Designs



Design 141-O to be used with all horizontal bar style O designs of "A-C" registers.

STYLE 141-O—Horizontal Bar design. Attaches to wall with wood screws. Base flange $\frac{7}{8}$ inch deep.



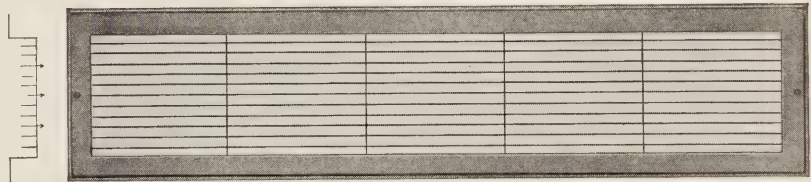
Design 142-O to be used with all vertical bar style O designs of "A-C" registers.

STYLE 142-O—Vertical Bar design. Attaches to wall with wood screws. Base flange $\frac{7}{8}$ inch deep. Excepting for wider spacing of vanes, are same as styles 141 and 142.

Styles 141-O and 142-O are listed on page 31.

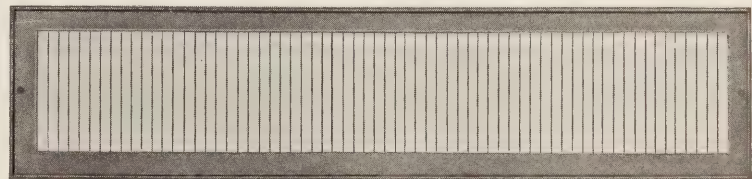
U. S. Air-Conditioning Flat Flange Ventilating Faces

STYLE 143-O—Horizontal Bar design. Attaches to flat surface, base or wall with wood screws.



Design 143-O flat flange with bevelled edge. To be used with horizontal bar designs.

STYLE 144-O—Vertical Bar design. Attaches to flat surface, base or wall with wood screws. Order by style number, size and finish. Bottom flange can be cut to special narrow width if so ordered. Borders on Styles 143-O and 144-O are one inch wide bevelled edge. If straight edge borders are required, these can be furnished $\frac{3}{4}$ inch and $\frac{7}{8}$ inch wide.

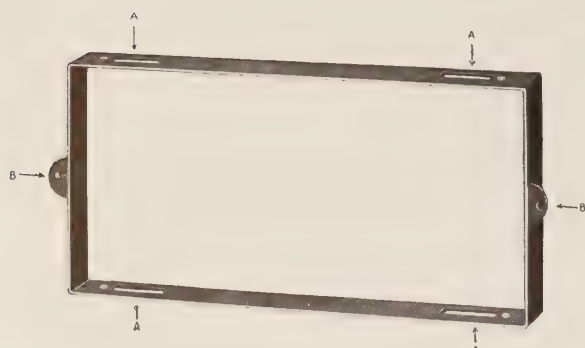


Design 144-O flat flange with bevelled edge. To be used with vertical bar designs.

Always specify by catalog style number, opening size and finish. Prime coat finish will always be furnished unless otherwise ordered. Furnished without stackhead frames unless otherwise ordered.

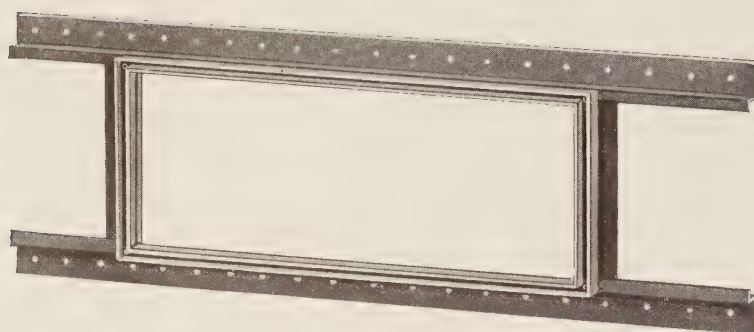
Styles 143-O and 144-O are listed on page 30.

U. S. AIR-CONDITIONING REGISTER FRAMES



Style 101-F

STYLE 101-F—Frame is made of heavy gauge band steel. Can be attached to inside of stackhead with tin straps through frame slots indicated by A. Another method is to fold box flange over band steel frame to the inside which holds frame firmly in place. Band steel box frame can be placed in stackhead before plastering to protect stackhead from damage by plasterers. Screw hole lugs are for attaching register to the frame. Can also be attached to stackhead with metal screws.



Style 125-S

STYLE 125-S—SEAL-PAK frame is made to attach to studding. Note screw holes to allow for properly setting frame. This 125-S frame fits over outside of stackhead which is to be flanged over frame and clinched, making a sealed joint between stackhead and frame. A channel is provided in this frame in which channel a felt strip can be fitted or channel filled with plastic cement or compressible filler and when the register face is drawn tightly to the frame with metal screws and the "filler" in the channel compresses against the back of the register face, seals space or leaks and prevents leaks and streaks.



Style 125-B

STYLE 125-B—SEAL-PAK frame to be set in baseboard and attached to studding is identical with Style 125-S, excepting that it extends to outside of baseboard. Can be used with one-piece baseboard registers as well as sidewall flat flange registers. Can also be used with baseboard and flat flange vent faces. With Style 125-B baseboard SEAL-PAK frames, stackhead should set $\frac{5}{8}$ inch above floor line.

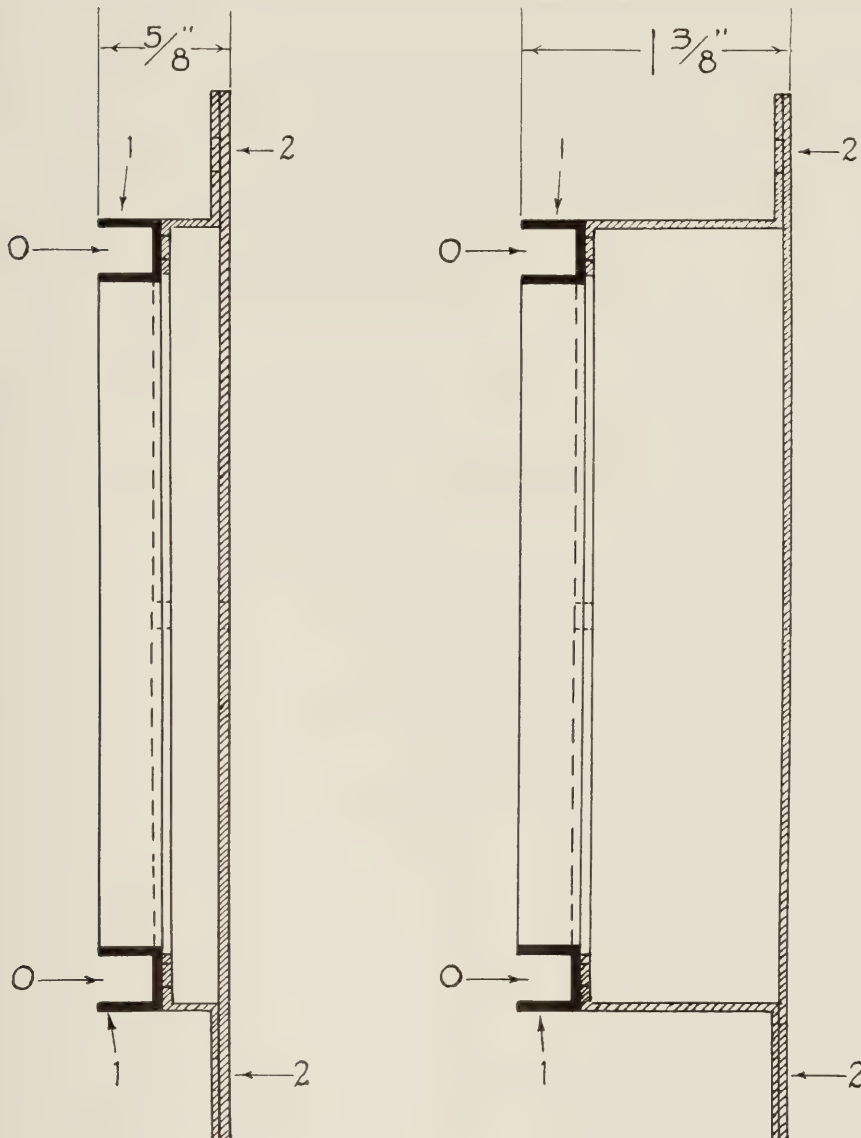
All One-Piece U. S. A-C Sidewall Registers are furnished with Style 101-F frames unless ordered without frames. Style 101-F frames may be ordered separately if desired. All Two-Piece U. S. A-C Sidewall Registers are furnished with Style 125-S frames unless ordered without frames. All Styles 125-S and 125-B frames may be ordered separately if desired.

The stackhead flanges should have an extension of $\frac{1}{2}$ inch beyond wall or baseboard line to bend over and into channel section of Styles 125-S and 125-B SEAL-PAK frames. Studding arms are sufficiently long and punched so that stackhead may be located any place between the studding.

For list prices, see page 32.

To determine the list price of a U. S. Air-Conditioning Register less frame, deduct from complete register list the list price of frame.

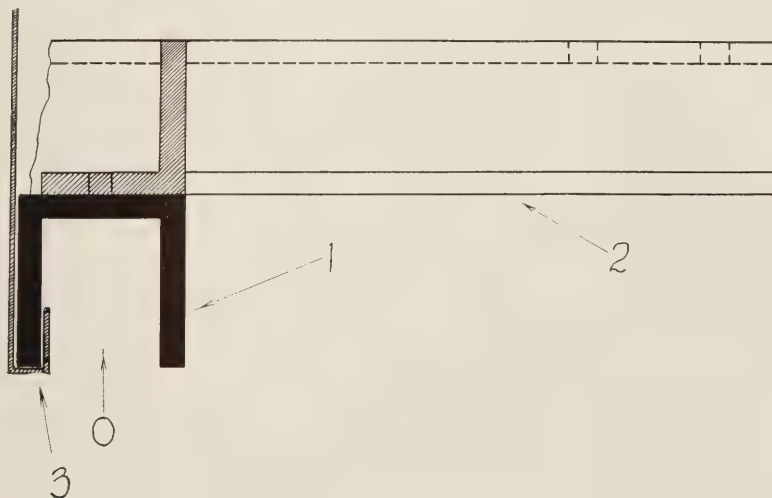
Cross-Section of U. S. AIR-CONDITIONING SEAL-PAK FRAME for Installing U. S. AIR-CONDITIONING SIDEWALL REGISTERS in SIDEWALL OR BASEBOARD



O—Space for calking compound, plastic cement, strip felt, asbestos rope or other filler.

2—Section of frame that rests against and is attached to the stud.

ENLARGED CROSS SECTION OF SEAL-PAK FRAME



1—SEAL-PAK Channel.

O—Space in SEAL-PAK Frame for filler.

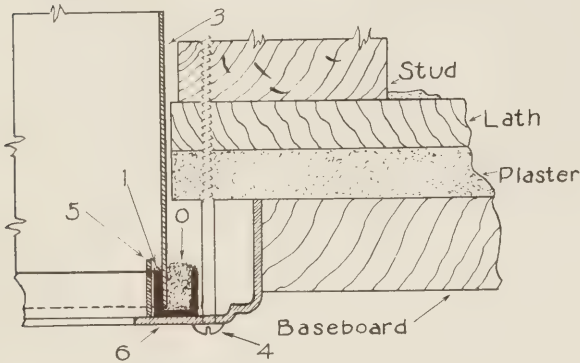
3—Stackhead extending through and clinching over inside wall of SEAL-PAK channel.

SEAL-PAK frames must be filled with calking compound, plastic cement, felt strip, asbestos rope or some other compressible filler to prevent leakage and streaking.

METHODS OF INSTALLING U. S. AIR-CONDITIONING REGISTERS

METHOD NO. I

For Attaching U. S. Air-Conditioning One-Piece Baseboard Register to the Wall with Wood Screws



1. Is SEAL-PAK channel frame, furnished on special order, which frame should be packed with calking compound, plastic cement, felt strip, asbestos rope or other filler, as represented by Figure O.

3. Is stackhead which, when register is attached, becomes imbedded in SEAL-PAK frame, making a seal-tight connection between register and the stack-head.

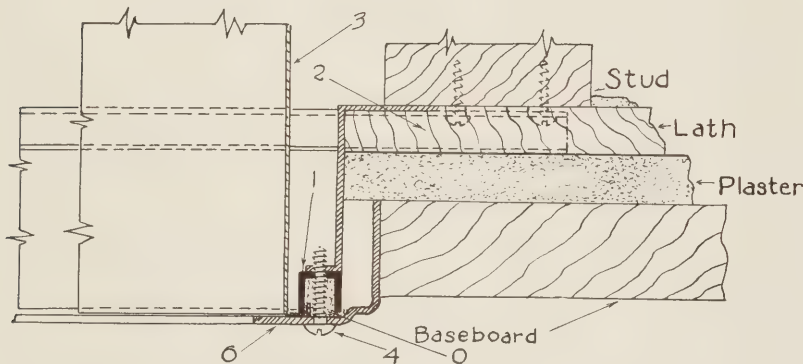
4. Screws for drawing and attaching register tightly to the wall.

5. Register box collar which fits inside of stack-head, and is furnished as regular equipment, unless register is ordered with SEAL-PAK frame.

6. Face of register.

METHOD NO. II

For Attaching U. S. Air Conditioning One-Piece Baseboard to the Wall with SEAL-PAK Stud-Frame



1. SEAL-PAK channel frame which should be packed with calking compound, plastic cement, strip felt, asbestos rope, or other filler to prevent leakage and streaking.

O—Is SEAL-PAK channel frame filler.

2. Extension arms of SEAL-PAK frames for attaching to the stud.

3. Stackhead, which extends through and is clinched over inside wall of SEAL-PAK frame, making a leak-proof connection between the stackhead and frame.

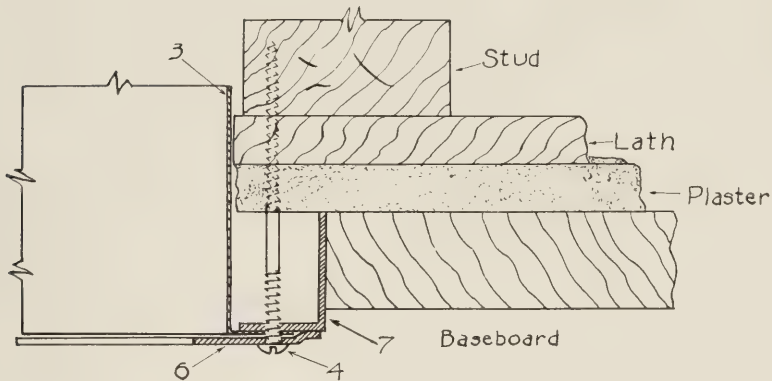
4. Metal screws which draw register face tightly against filler O in SEAL-PAK frame 1. This compression of filler O positively seals all leaks.

SEAL-PAK frames must be filled with calking compound, a plastic cement, felt strip, asbestos rope or some other compressible filler to prevent leakage and streaking.

METHODS OF INSTALLING U. S. AIR-CONDITIONING REGISTERS

METHOD NO. III

For Attaching U. S. Air-Conditioning Two-Piece Baseboard by Flanging of Stackhead Over Baseboard Register Frame. A Positive Leak-Proof Connection



3. Represents stackhead extension which should extend through and bend over register frame, which creates a positive leak-proof connection between stackhead and the register frame 7.

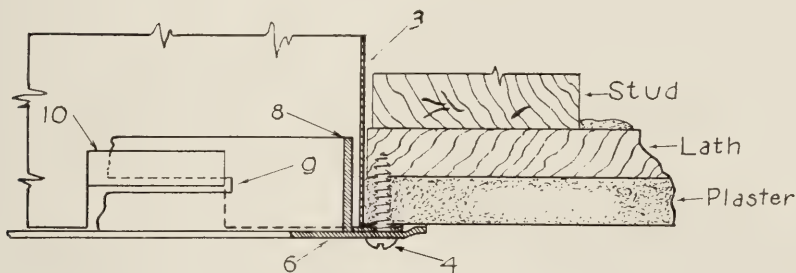
4. Screws for attaching face 6 to register baseboard frame 7.

6. Register face with damper attached.

7. Baseboard register frame.

METHOD NO. IV

For Attaching U. S. Air-Conditioning Sidewall Registers with Band Frames to the Stackhead by Attaching Band Frame Inside of Stackhead with Tin Straps or Notched Stackhead Looped through Slots in Band Steel to which Frame Register is Drawn with Metal Screws. Not recommended as a Leak-Proof Method Unless Properly Installed



3. Represents stackhead.

8. Represents detachable band steel frame, which can be attached with metal screws or straps to stackhead 3.

4. Metal screws for attaching register face 6 to frame 8.

9. Represents slot holes in detachable frame.

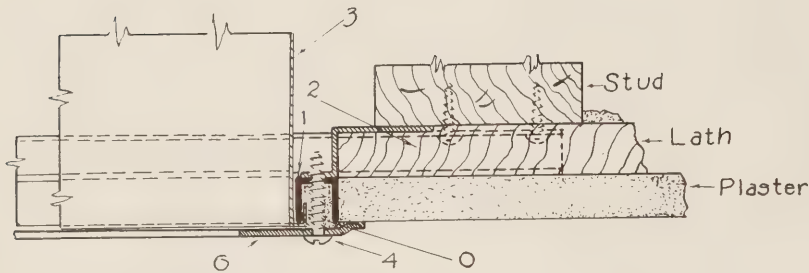
10. Represents tin strap or notched section of stackhead that loops through frame slot.

6. Represents register face.

METHODS OF INSTALLING U. S. AIR-CONDITIONING REGISTERS

METHOD NO. V (SIDEWALL)

For Attaching U. S. Air-Conditioning Sidewall Register to the Wall with SEAL-PAK Sidewall Stud-
ding Frame



1. SEAL-PAK channel frame which should be packed with calking compound, plastic cement, strip felt, asbestos rope or other filler, to prevent leakage and streaking.

O. Represents SEAL-PAK channel frame filler.

2. Extension arms of SEAL-PAK frame for attaching to stud.

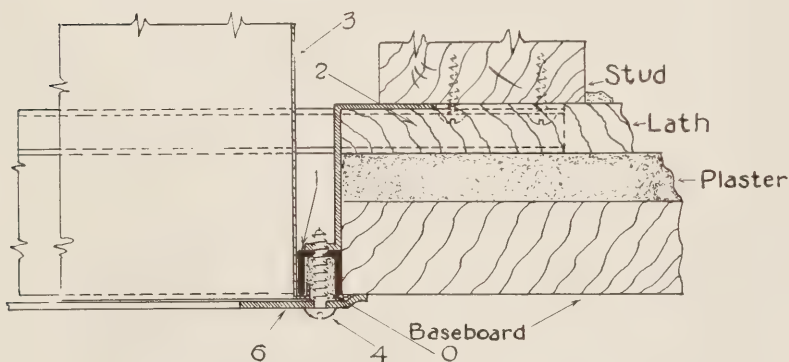
3. Stackhead which extends through and is clinched over inside wall of SEAL-PAK frame, making a leak-proof connection between stackhead and SEAL-PAK frame.

4. Metal screws which draw register face (6) tightly against filler (O) in the SEAL-PAK frame (1). This compression of filler (O) positively seals all leaks.

6. Represents face of register.

METHOD NO. VI (BASEBOARD SETTING)

For Attaching U. S. Air-Conditioning Sidewall Register to Outside of Baseboard with SEAL-PAK Base-
board Stud Frame Made Extra Deep to Extend through Lath, Plaster and Baseboard



1. SEAL-PAK channel frame which should be packed with calking compound, plastic cement, strip felt, asbestos rope or other filler to prevent leakage or streaking.

O. Represents SEAL - PAK channel frame filler.

2. Extension arms of SEAL-PAK frame for attaching to stud.

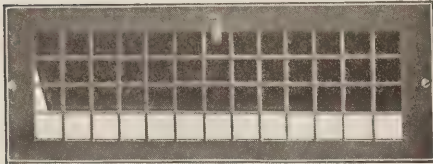
3. Stackhead which extends through and is clinched over inside wall of SEAL-PAK frame, making a leak-proof connection between stackhead and SEAL-PAK frame.

4. Metal screws which draw register face (6) tightly against filler (O) in the SEAL-PAK frame (1). This compression of filler (O) positively seals all leaks.

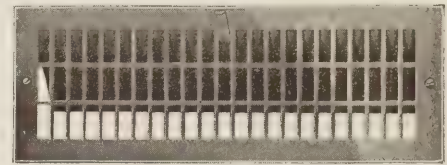
6. Represents face of register.

SEAL-PAK frames must be filled with calking compound, a plastic cement, felt, asbestos rope or some other compressible filler to prevent leakage and streaking.

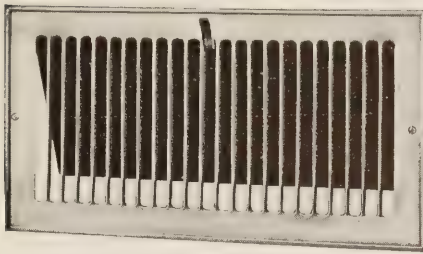
SCHEDULE OF FREE AIR OPENINGS AND CUBIC FEET PER MINUTE CAPACITIES OF U. S. AIR-CONDITIONING REGISTERS AND VENTS IN SQUARE LATTICE AND VERTICAL OBLONG LATTICE DESIGNS



Square Lattice Design
Styles 101—104—110—107—113—116
Vertical Oblong Lattice Design
Styles 103—106—112—109—115—118



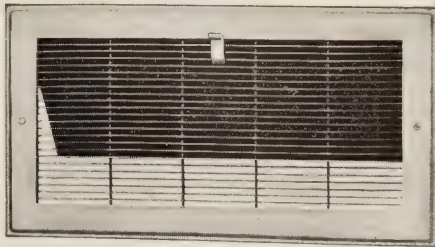
Register Size	Open (Free) Area Sq. In.	CUBIC FEET PER MINUTE AT VELOCITIES OF:								Daylight Opening All Styles	Overall Size Sidelwall and One-Piece Baseboard Style	Overall Size Two-Piece Baseboard Registers
		200	250	300	350	400	500	600	800			
8 x 6	26	36	45	54	63	72	90	109	145	7 1/4 x 5 1/4	9 1/4 x 7 1/4	9 3/8 x 7 3/8
10 x 4	22	31	38	46	54	61	76	92	123	9 1/4 x 3 1/4	11 1/4 x 5 1/4	11 3/8 x 5 3/8
10 x 5	27	37	47	56	66	75	94	113	150	9 1/4 x 4 1/4	11 1/4 x 6 1/4	11 3/8 x 6 3/8
10 x 6	32	44	55	67	78	89	111	133	178	9 1/4 x 5 1/4	11 1/4 x 7 1/4	11 3/8 x 7 3/8
10 x 8	43	60	75	90	105	120	150	180	240	9 1/4 x 7 1/4	11 1/4 x 9 1/4	11 3/8 x 9 3/8
12 x 4	26	36	45	54	63	72	90	108	145	11 1/4 x 3 1/4	13 1/4 x 5 1/4	13 3/8 x 5 3/8
12 x 5	32	44	55	67	78	89	111	133	178	11 1/4 x 4 1/4	13 1/4 x 6 1/4	13 3/8 x 6 3/8
12 x 6	39	54	68	81	95	109	136	163	217	11 1/4 x 5 1/4	13 1/4 x 7 1/4	13 3/8 x 7 3/8
12 x 8	52	72	90	108	126	145	180	217	290	11 1/4 x 7 1/4	13 1/4 x 9 1/4	13 3/8 x 9 3/8
12 x 9	59	82	102	123	144	164	205	246	328	11 1/4 x 8 1/4	13 1/4 x 10 1/4	13 3/8 x 10 3/8
12 x 10	65	90	113	135	158	181	226	272	362	11 1/4 x 9 1/4	13 1/4 x 11 1/4	13 3/8 x 11 3/8
14 x 4	30	42	52	62	73	84	104	125	167	13 1/4 x 3 1/4	15 1/4 x 5 1/4	15 3/8 x 5 3/8
14 x 5	38	53	66	79	93	106	132	158	212	13 1/4 x 4 1/4	15 1/4 x 6 1/4	15 3/8 x 6 3/8
14 x 6	45	63	78	94	110	125	156	188	251	13 1/4 x 5 1/4	15 1/4 x 7 1/4	15 3/8 x 7 3/8
14 x 8	61	85	106	127	148	169	212	254	340	13 1/4 x 7 1/4	15 1/4 x 9 1/4	15 3/8 x 9 3/8
14 x 10	76	106	132	158	185	212	264	317	424	13 1/4 x 9 1/4	15 1/4 x 11 1/4	15 3/8 x 11 3/8
16 x 4	35	49	61	73	86	98	122	146	195	15 1/4 x 3 1/4	17 1/4 x 5 1/4	17 3/8 x 5 3/8
16 x 5	43	60	75	90	105	120	150	180	240	15 1/4 x 4 1/4	17 1/4 x 6 1/4	17 3/8 x 6 3/8
16 x 6	52	72	90	108	127	145	181	217	290	15 1/4 x 5 1/4	17 1/4 x 7 1/4	17 3/8 x 7 3/8
16 x 8	69	96	120	144	168	192	240	288	384	15 1/4 x 7 1/4	17 1/4 x 9 1/4	17 3/8 x 9 3/8
18 x 4	39	54	68	81	95	109	135	163	217	17 1/4 x 3 1/4	19 1/4 x 5 1/4	19 3/8 x 5 3/8
18 x 5	49	68	85	102	119	136	170	205	273	17 1/4 x 4 1/4	19 1/4 x 6 1/4	19 3/8 x 6 3/8
18 x 6	59	82	103	123	144	164	205	246	328	17 1/4 x 5 1/4	19 1/4 x 7 1/4	19 3/8 x 7 3/8
18 x 8	78	108	135	163	190	217	271	326	435	17 1/4 x 7 1/4	19 1/4 x 9 1/4	19 3/8 x 9 3/8
20 x 4	43	60	75	90	105	120	150	180	240	19 1/4 x 3 1/4	21 1/4 x 5 1/4	21 3/8 x 5 3/8
20 x 5	54	75	93	112	132	151	187	225	301	19 1/4 x 4 1/4	21 1/4 x 6 1/4	21 3/8 x 6 3/8
20 x 6	65	90	113	135	158	181	226	272	362	19 1/4 x 5 1/4	21 1/4 x 7 1/4	21 3/8 x 7 3/8
20 x 8	87	121	151	181	212	242	302	363	485	19 1/4 x 7 1/4	21 1/4 x 9 1/4	21 3/8 x 9 3/8
20 x 10	108	150	187	225	263	301	375	451	602	19 1/4 x 9 1/4	21 1/4 x 11 1/4	21 3/8 x 11 3/8
22 x 4	48	67	83	100	117	134	167	200	267	21 1/4 x 3 1/4	23 1/4 x 5 1/4	23 3/8 x 5 3/8
22 x 5	60	83	104	125	146	167	208	251	334	21 1/4 x 4 1/4	23 1/4 x 6 1/4	23 3/8 x 6 3/8
22 x 6	71	99	123	148	173	198	247	297	394	21 1/4 x 5 1/4	23 1/4 x 7 1/4	23 3/8 x 7 3/8
22 x 8	95	132	165	198	232	265	330	397	530	21 1/4 x 7 1/4	23 1/4 x 9 1/4	23 3/8 x 9 3/8
24 x 4	52	72	90	108	127	145	181	217	290	23 1/4 x 3 1/4	25 1/4 x 5 1/4	25 3/8 x 5 3/8
24 x 5	65	90	113	135	158	181	226	272	363	23 1/4 x 4 1/4	25 1/4 x 6 1/4	25 3/8 x 6 3/8
24 x 6	78	108	135	163	190	217	271	326	435	23 1/4 x 5 1/4	25 1/4 x 7 1/4	25 3/8 x 7 3/8
24 x 8	104	145	181	217	254	290	362	435	580	23 1/4 x 7 1/4	25 1/4 x 9 1/4	25 3/8 x 9 3/8
26 x 4	56	78	97	117	137	156	195	234	312	25 1/4 x 3 1/4	27 1/4 x 5 1/4	27 3/8 x 5 3/8
26 x 5	70	97	121	146	171	195	243	292	390	25 1/4 x 4 1/4	27 1/4 x 6 1/4	27 3/8 x 6 3/8
26 x 6	84	117	146	176	205	234	292	351	468	25 1/4 x 5 1/4	27 1/4 x 7 1/4	27 3/8 x 7 3/8
26 x 8	113	157	196	235	275	315	393	472	630	25 1/4 x 7 1/4	27 1/4 x 9 1/4	27 3/8 x 9 3/8
28 x 4	61	85	106	127	149	170	212	255	340	27 1/4 x 3 1/4	29 1/4 x 5 1/4	29 3/8 x 5 3/8
28 x 5	76	106	132	158	185	212	264	318	423	27 1/4 x 4 1/4	29 1/4 x 6 1/4	29 3/8 x 6 3/8
28 x 6	91	126	158	190	222	254	316	380	507	27 1/4 x 5 1/4	29 1/4 x 7 1/4	29 3/8 x 7 3/8
28 x 8	122	170	212	254	297	340	424	510	680	27 1/4 x 7 1/4	29 1/4 x 9 1/4	29 3/8 x 9 3/8
30 x 4	65	90	113	135	158	181	226	272	362	29 1/4 x 3 1/4	31 1/4 x 5 1/4	31 3/8 x 5 3/8
30 x 5	81	113	141	169	198	226	282	338	451	29 1/4 x 4 1/4	31 1/4 x 6 1/4	31 3/8 x 6 3/8
30 x 6	97	135	168	202	236	270	337	405	540	29 1/4 x 5 1/4	31 1/4 x 7 1/4	31 3/8 x 7 3/8
30 x 8	130	181	225	271	321	362	452	543	725	29 1/4 x 7 1/4	31 1/4 x 9 1/4	31 3/8 x 9 3/8
30 x 10	163	227	283	340	398	455	567	681	908	29 1/4 x 9 1/4	31 1/4 x 11 1/4	31 3/8 x 11 3/8
36 x 4	78	108	135	163	190	217	271	326	435	35 1/4 x 3 1/4	37 1/4 x 5 1/4	37 3/8 x 5 3/8
36 x 5	97	135	168	202	236	270	337	405	541	35 1/4 x 4 1/4	37 1/4 x 6 1/4	37 3/8 x 6 3/8
36 x 6	117	163	203	244	285	326	407	489	652	35 1/4 x 5 1/4	37 1/4 x 7 1/4	37 3/8 x 7 3/8
36 x 8	156	217	271	325	380	435	543	652	870	35 1/4 x 7 1/4	37 1/4 x 9 1/4	37 3/8 x 9 3/8
36 x 10	195	271	338	406	475	544	678	815	1087	35 1/4 x 9 1/4	37 1/4 x 11 1/4	37 3/8 x 11 3/8
36 x 12	234	325	406	488	570	652	814	978	1304	35 1/4 x 11 1/4	37 1/4 x 13 1/4	37 3/8 x 13 3/8



**SCHEDULE OF FREE AIR OPENINGS AND CUBIC FEET
PER MINUTE CAPACITIES OF U. S. AIR-CONDI-
TIONING REGISTERS AND VENTS IN VER-
TICAL EMBOSSED BAR DESIGN**

Styles 102, 105, 111, 108, 114 and 117

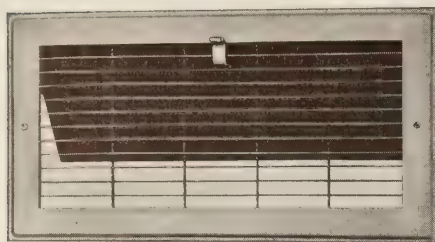
Register Size	Open (Free) Area Sq. In.	CUBIC FEET PER MINUTE AT VELOCITIES OF:								Daylight Opening All Styles	Overall Size Sidewall and One-Piece Baseboard Style	Overall Size Two-Piece Baseboard Registers
		200	250	300	350	400	500	600	800	First Dimension	Denotes Width	Second Height
8 x 6	27	37	46	56	66	75	94	112	150	7 1/4 x 5 1/4	9 1/4 x 7 1/4	9 3/8 x 7 3/8
10 x 4	23	32	40	48	56	64	80	96	128	9 1/4 x 3 1/4	11 1/4 x 5 1/4	11 3/8 x 5 3/8
10 x 5	29	40	50	60	71	81	101	121	162	9 1/4 x 4 1/4	11 1/4 x 6 1/4	11 3/8 x 6 3/8
10 x 6	34	47	59	71	83	95	118	142	189	9 1/4 x 5 1/4	11 1/4 x 7 1/4	11 3/8 x 7 3/8
10 x 8	46	64	80	96	112	128	160	192	256	9 1/4 x 7 1/4	11 1/4 x 9 1/4	11 3/8 x 9 3/8
12 x 4	27	37	46	56	66	75	94	112	150	11 1/4 x 3 1/4	13 1/4 x 5 1/4	13 3/8 x 5 3/8
12 x 5	34	47	59	71	83	95	118	142	189	11 1/4 x 4 1/4	13 1/4 x 6 1/4	13 3/8 x 6 3/8
12 x 6	41	57	71	85	100	114	142	171	228	11 1/4 x 5 1/4	13 1/4 x 7 1/4	13 3/8 x 7 3/8
12 x 8	55	76	95	115	134	153	191	230	307	11 1/4 x 7 1/4	13 1/4 x 9 1/4	13 3/8 x 9 3/8
12 x 9	62	86	107	129	151	173	215	259	345	11 1/4 x 8 1/4	13 1/4 x 10 1/4	13 3/8 x 10 3/8
12 x 10	69	96	120	145	169	192	240	288	385	11 1/4 x 9 1/4	13 1/4 x 11 1/4	13 3/8 x 11 3/8
14 x 4	32	44	56	67	78	89	111	134	178	13 1/4 x 3 1/4	15 1/4 x 5 1/4	15 3/8 x 5 3/8
14 x 5	40	56	69	83	98	112	139	167	223	13 1/4 x 4 1/4	15 1/4 x 6 1/4	15 3/8 x 6 3/8
14 x 6	48	67	83	100	117	134	167	201	268	13 1/4 x 5 1/4	15 1/4 x 7 1/4	15 3/8 x 7 3/8
14 x 8	64	89	111	133	156	178	223	268	357	13 1/4 x 7 1/4	15 1/4 x 9 1/4	15 3/8 x 9 3/8
14 x 10	80	111	139	167	195	223	278	334	446	13 1/4 x 9 1/4	15 1/4 x 11 1/4	15 3/8 x 11 3/8
16 x 4	36	50	62	75	88	100	125	150	201	15 1/4 x 3 1/4	17 1/4 x 5 1/4	17 3/8 x 5 3/8
16 x 5	46	64	80	96	112	128	160	192	256	15 1/4 x 4 1/4	17 1/4 x 6 1/4	17 3/8 x 6 3/8
16 x 6	55	76	95	115	134	153	191	230	307	15 1/4 x 5 1/4	17 1/4 x 7 1/4	17 3/8 x 7 3/8
16 x 8	73	101	127	152	178	204	254	305	407	15 1/4 x 7 1/4	17 1/4 x 9 1/4	17 3/8 x 9 3/8
18 x 4	41	57	71	85	100	114	143	171	229	17 1/4 x 3 1/4	19 1/4 x 5 1/4	19 3/8 x 5 3/8
18 x 5	51	71	88	106	124	142	177	213	284	17 1/4 x 4 1/4	19 1/4 x 6 1/4	19 3/8 x 6 3/8
18 x 6	62	86	108	129	151	173	216	259	346	17 1/4 x 5 1/4	19 1/4 x 7 1/4	19 3/8 x 7 3/8
18 x 8	82	114	142	171	200	229	285	343	457	17 1/4 x 7 1/4	19 1/4 x 9 1/4	19 3/8 x 9 3/8
20 x 4	46	64	80	96	112	128	160	192	256	19 1/4 x 3 1/4	21 1/4 x 5 1/4	21 3/8 x 5 3/8
20 x 5	57	79	99	119	139	159	198	238	318	19 1/4 x 4 1/4	21 1/4 x 6 1/4	21 3/8 x 6 3/8
20 x 6	68	95	118	142	166	190	236	284	379	19 1/4 x 5 1/4	21 1/4 x 7 1/4	21 3/8 x 7 3/8
20 x 8	91	126	158	190	222	254	316	380	507	19 1/4 x 7 1/4	21 1/4 x 9 1/4	21 3/8 x 9 3/8
20 x 10	114	158	198	238	278	318	396	477	636	19 1/4 x 9 1/4	21 1/4 x 11 1/4	21 3/8 x 11 3/8
22 x 4	50	70	87	104	122	139	174	209	279	21 1/4 x 3 1/4	23 1/4 x 5 1/4	23 3/8 x 5 3/8
22 x 5	63	88	109	131	154	176	219	263	351	21 1/4 x 4 1/4	23 1/4 x 6 1/4	23 3/8 x 6 3/8
22 x 6	75	104	130	156	183	209	261	314	418	21 1/4 x 5 1/4	23 1/4 x 7 1/4	23 3/8 x 7 3/8
22 x 8	100	139	174	209	244	279	348	418	558	21 1/4 x 7 1/4	23 1/4 x 9 1/4	23 3/8 x 9 3/8
24 x 4	55	76	95	115	134	153	191	230	307	23 1/4 x 3 1/4	25 1/4 x 5 1/4	25 3/8 x 5 3/8
24 x 5	68	95	118	142	166	190	236	284	379	23 1/4 x 4 1/4	25 1/4 x 6 1/4	25 3/8 x 6 3/8
24 x 6	82	114	142	171	200	229	285	343	457	23 1/4 x 5 1/4	25 1/4 x 7 1/4	25 3/8 x 7 3/8
24 x 8	94	131	163	196	229	262	327	393	524	23 1/4 x 7 1/4	25 1/4 x 9 1/4	25 3/8 x 9 3/8
26 x 4	59	82	102	123	144	165	205	246	329	25 1/4 x 3 1/4	27 1/4 x 5 1/4	27 3/8 x 5 3/8
26 x 5	74	103	128	154	180	206	257	309	413	25 1/4 x 4 1/4	27 1/4 x 6 1/4	27 3/8 x 6 3/8
26 x 6	89	124	155	186	217	248	309	372	496	25 1/4 x 5 1/4	27 1/4 x 7 1/4	27 3/8 x 7 3/8
26 x 8	119	165	207	248	290	332	414	497	663	25 1/4 x 7 1/4	27 1/4 x 9 1/4	27 3/8 x 9 3/8
28 x 4	64	89	111	133	156	178	223	268	357	27 1/4 x 3 1/4	29 1/4 x 5 1/4	29 3/8 x 5 3/8
28 x 5	80	111	139	167	195	223	278	334	446	27 1/4 x 4 1/4	29 1/4 x 6 1/4	29 3/8 x 6 3/8
28 x 6	96	133	167	200	234	268	334	401	535	27 1/4 x 5 1/4	29 1/4 x 7 1/4	29 3/8 x 7 3/8
28 x 8	128	178	222	267	312	357	445	535	714	27 1/4 x 7 1/4	29 1/4 x 9 1/4	29 3/8 x 9 3/8
30 x 4	68	95	118	142	166	190	236	284	379	29 1/4 x 3 1/4	31 1/4 x 5 1/4	31 3/8 x 5 3/8
30 x 5	86	120	149	179	210	240	299	359	479	29 1/4 x 4 1/4	31 1/4 x 6 1/4	31 3/8 x 6 3/8
30 x 6	103	143	179	215	251	287	358	431	574	29 1/4 x 5 1/4	31 1/4 x 7 1/4	31 3/8 x 7 3/8
30 x 8	137	190	238	286	334	382	476	573	764	29 1/4 x 7 1/4	31 1/4 x 9 1/4	31 3/8 x 9 3/8
30 x 10	171	238	297	357	417	477	595	715	953	29 1/4 x 9 1/4	31 1/4 x 11 1/4	31 3/8 x 11 3/8
36 x 4	82	114	142	171	200	229	285	343	457	35 1/4 x 3 1/4	37 1/4 x 5 1/4	37 3/8 x 5 3/8
36 x 5	103	143	179	215	251	287	358	431	574	35 1/4 x 4 1/4	37 1/4 x 6 1/4	37 3/8 x 6 3/8
36 x 6	123	171	213	256	300	343	428	514	686	35 1/4 x 5 1/4	37 1/4 x 7 1/4	37 3/8 x 7 3/8
36 x 8	164	228	285	342	400	457	570	686	914	35 1/4 x 7 1/4	37 1/4 x 9 1/4	37 3/8 x 9 3/8
36 x 10	205	285	356	427	500	572	713	857	1143	35 1/4 x 9 1/4	37 1/4 x 11 1/4	37 3/8 x 11 3/8
36 x 12	246	342	427	513	600	686	855	1028	1371	35 1/4 x 11 1/4	37 1/4 x 13 1/4	37 3/8 x 13 3/8



**SCHEDULE OF FREE AIR OPENINGS AND CUBIC FEET
PER MINUTE CAPACITIES OF U. S. AIR-CONDITION-
ING REGISTERS AND VENTS IN CLOSE
SPACE, FIN-TYPE DESIGN**

Styles 119 to 144 Inclusive

Register Size	Open (Free) Area Sq. In.	CUBIC FEET PER MINUTE AT VELOCITIES OF:								Daylight Opening All Styles	Overall Size Sidewall and One-Piece Baseboard Style	Overall Size Two-Piece Baseboard Registers
		200	250	300	350	400	500	600	800			
First Dimension Denotes Width — Second Height												
8 x 6	34	47	59	71	83	95	118	142	190	7 1/4 x 5 1/4	9 1/4 x 7 1/4	9 3/8 x 7 3/8
10 x 4	28	39	49	58	68	78	97	117	156	9 1/4 x 3 1/4	11 1/4 x 5 1/4	11 3/8 x 5 3/8
10 x 5	35	49	61	73	85	97	122	146	195	9 1/4 x 4 1/4	11 1/4 x 6 1/4	11 3/8 x 6 3/8
10 x 6	43	60	75	90	105	120	150	180	240	9 1/4 x 5 1/4	11 1/4 x 7 1/4	11 3/8 x 7 3/8
10 x 8	57	79	99	119	144	159	198	238	318	9 1/4 x 7 1/4	11 1/4 x 9 1/4	11 3/8 x 9 3/8
12 x 4	34	47	59	71	83	95	118	142	190	11 1/4 x 3 1/4	13 1/4 x 5 1/4	13 3/8 x 5 3/8
12 x 5	43	60	75	90	105	120	150	180	240	11 1/4 x 4 1/4	13 1/4 x 6 1/4	13 3/8 x 6 3/8
12 x 6	51	71	88	106	124	142	177	213	284	11 1/4 x 5 1/4	13 1/4 x 7 1/4	13 3/8 x 7 3/8
12 x 8	68	95	118	142	166	190	236	284	379	11 1/4 x 7 1/4	13 1/4 x 9 1/4	13 3/8 x 9 3/8
12 x 9	77	107	134	161	188	215	268	322	429	11 1/4 x 8 1/4	13 1/4 x 10 1/4	13 3/8 x 10 3/8
12 x 10	85	118	147	177	207	237	296	355	474	11 1/4 x 9 1/4	13 1/4 x 11 1/4	13 3/8 x 11 3/8
14 x 4	40	56	69	83	98	112	139	167	223	13 1/4 x 3 1/4	15 1/4 x 5 1/4	15 3/8 x 5 3/8
14 x 5	50	70	87	104	122	139	174	209	279	13 1/4 x 4 1/4	15 1/4 x 6 1/4	15 3/8 x 6 3/8
14 x 6	60	83	104	125	146	167	208	251	335	13 1/4 x 5 1/4	15 1/4 x 7 1/4	15 3/8 x 7 3/8
14 x 8	79	110	137	165	193	220	275	330	440	13 1/4 x 7 1/4	15 1/4 x 9 1/4	15 3/8 x 9 3/8
14 x 10	99	138	172	206	241	276	344	414	552	13 1/4 x 9 1/4	15 1/4 x 11 1/4	15 3/8 x 11 3/8
16 x 4	45	63	78	94	110	126	156	188	251	15 1/4 x 3 1/4	17 1/4 x 5 1/4	17 3/8 x 5 3/8
16 x 5	57	79	99	119	139	159	198	238	318	15 1/4 x 4 1/4	17 1/4 x 6 1/4	17 3/8 x 6 3/8
16 x 6	68	95	118	142	166	190	236	284	379	15 1/4 x 5 1/4	17 1/4 x 7 1/4	17 3/8 x 7 3/8
16 x 8	91	126	158	190	222	254	316	380	507	15 1/4 x 7 1/4	17 1/4 x 9 1/4	17 3/8 x 9 3/8
18 x 4	51	71	88	106	124	142	177	213	284	17 1/4 x 3 1/4	19 1/4 x 5 1/4	19 3/8 x 5 3/8
18 x 5	64	89	111	133	156	178	223	268	357	17 1/4 x 4 1/4	19 1/4 x 6 1/4	19 3/8 x 6 3/8
18 x 6	77	107	134	161	188	215	268	322	429	17 1/4 x 5 1/4	19 1/4 x 7 1/4	19 3/8 x 7 3/8
18 x 8	102	142	177	213	249	284	355	426	569	17 1/4 x 7 1/4	19 1/4 x 9 1/4	19 3/8 x 9 3/8
20 x 4	57	79	99	119	139	159	198	238	318	19 1/4 x 3 1/4	21 1/4 x 5 1/4	21 3/8 x 5 3/8
20 x 5	71	99	123	148	173	198	247	297	396	19 1/4 x 4 1/4	21 1/4 x 6 1/4	21 3/8 x 6 3/8
20 x 6	85	118	147	177	207	237	296	355	474	19 1/4 x 5 1/4	21 1/4 x 7 1/4	21 3/8 x 7 3/8
20 x 8	134	186	232	279	327	374	466	560	747	19 1/4 x 7 1/4	21 1/4 x 9 1/4	21 3/8 x 9 3/8
20 x 10	142	197	246	296	346	396	494	594	791	19 1/4 x 9 1/4	21 1/4 x 11 1/4	21 3/8 x 11 3/8
22 x 4	62	86	108	129	151	173	216	259	346	21 1/4 x 3 1/4	23 1/4 x 5 1/4	23 3/8 x 5 3/8
22 x 5	78	108	135	163	196	218	271	326	435	21 1/4 x 4 1/4	23 1/4 x 6 1/4	23 3/8 x 6 3/8
22 x 6	94	131	163	196	229	262	327	393	524	21 1/4 x 5 1/4	23 1/4 x 7 1/4	23 3/8 x 7 3/8
22 x 8	125	174	217	261	305	349	435	523	697	21 1/4 x 7 1/4	23 1/4 x 9 1/4	23 3/8 x 9 3/8
24 x 4	68	95	118	142	166	190	236	284	379	23 1/4 x 3 1/4	25 1/4 x 5 1/4	25 3/8 x 5 3/8
24 x 5	85	118	147	177	207	237	296	355	474	23 1/4 x 4 1/4	25 1/4 x 6 1/4	25 3/8 x 6 3/8
24 x 6	102	142	177	213	249	284	355	426	569	23 1/4 x 5 1/4	25 1/4 x 7 1/4	25 3/8 x 7 3/8
24 x 8	136	189	236	284	332	379	473	568	758	23 1/4 x 7 1/4	25 1/4 x 9 1/4	25 3/8 x 9 3/8
26 x 4	74	103	128	154	180	206	257	309	413	25 1/4 x 3 1/4	27 1/4 x 5 1/4	27 3/8 x 5 3/8
26 x 5	92	128	160	192	225	257	320	385	513	25 1/4 x 4 1/4	27 1/4 x 6 1/4	27 3/8 x 6 3/8
26 x 6	111	154	193	231	275	310	386	464	619	25 1/4 x 5 1/4	27 1/4 x 7 1/4	27 3/8 x 7 3/8
26 x 8	147	204	255	306	358	410	511	614	820	25 1/4 x 7 1/4	27 1/4 x 9 1/4	27 3/8 x 9 3/8
28 x 4	79	110	137	165	192	220	275	330	440	27 1/4 x 3 1/4	29 1/4 x 5 1/4	29 3/8 x 5 3/8
28 x 5	99	138	172	206	242	276	344	414	552	27 1/4 x 4 1/4	29 1/4 x 6 1/4	29 3/8 x 6 3/8
28 x 6	119	165	206	248	293	332	414	497	663	27 1/4 x 5 1/4	29 1/4 x 7 1/4	29 3/8 x 7 3/8
28 x 8	159	221	276	332	388	443	553	665	886	27 1/4 x 7 1/4	29 1/4 x 9 1/4	29 3/8 x 9 3/8
30 x 4	85	118	147	177	207	237	296	355	474	29 1/4 x 3 1/4	31 1/4 x 5 1/4	31 3/8 x 5 3/8
30 x 5	106	147	184	221	263	296	369	443	591	29 1/4 x 4 1/4	31 1/4 x 6 1/4	31 3/8 x 6 3/8
30 x 6	128	178	222	267	312	357	445	535	714	29 1/4 x 5 1/4	31 1/4 x 7 1/4	31 3/8 x 7 3/8
30 x 8	170	236	295	354	414	474	591	711	948	29 1/4 x 7 1/4	31 1/4 x 9 1/4	31 3/8 x 9 3/8
30 x 10	213	296	370	444	519	594	741	890	1187	29 1/4 x 9 1/4	31 1/4 x 11 1/4	31 3/8 x 11 3/8
36 x 4	102	142	177	213	249	284	355	426	569	35 1/4 x 3 1/4	37 1/4 x 5 1/4	37 3/8 x 5 3/8
36 x 5	128	178	222	267	312	357	445	535	714	35 1/4 x 4 1/4	37 1/4 x 6 1/4	37 3/8 x 6 3/8
36 x 6	153	213	265	319	373	427	532	640	853	35 1/4 x 5 1/4	37 1/4 x 7 1/4	37 3/8 x 7 3/8
36 x 8	204	284	354	425	497	569	709	853	1137	35 1/4 x 7 1/4	37 1/4 x 9 1/4	37 3/8 x 9 3/8
36 x 10	255	354	442	531	621	711	887	1066	1422	35 1/4 x 9 1/4	37 1/4 x 11 1/4	37 3/8 x 11 3/8
36 x 12	306	425	531	638	746	853	1064	1279	1706	35 1/4 x 11 1/4	37 1/4 x 13 1/4	37 3/8 x 13 3/8



SCHEDULE OF FREE AIR OPENING AND CUBIC FEET PER MINUTE CAPACITIES OF U. S. AIR-CONDITIONING REGISTERS AND VENTS IN OPEN SPACE FIN-TYPE DESIGN

Styles 119-O to 144-O Inclusive

Register or Stackhead Size	Open (Free) Area Sq. In.	CUBIC FEET PER MINUTE AT VELOCITIES OF:								Daylight Opening All Styles	Overall Size Sidewall and One-Piece Baseboard Style	Overall Size Two-Piece Baseboard Registers
		200	250	300	350	400	500	600	800	First Dimension	Denotes Width —	Second Height
8 x 6	36	50	62	75	88	100	125	150	201	7 1/4 x 5 1/4	9 1/4 x 7 1/4	9 3/8 x 7 3/8
10 x 4	31	43	54	65	76	86	108	130	173	9 1/4 x 3 1/4	11 1/4 x 5 1/4	11 3/8 x 5 3/8
10 x 5	38	53	66	79	93	106	132	159	212	9 1/4 x 4 1/4	11 1/4 x 6 1/4	11 3/8 x 6 3/8
10 x 6	46	64	80	96	112	128	160	192	256	9 1/4 x 5 1/4	11 1/4 x 7 1/4	11 3/8 x 7 3/8
10 x 8	61	85	106	127	149	170	212	255	340	9 1/4 x 7 1/4	11 1/4 x 9 1/4	11 3/8 x 9 3/8
12 x 4	36	50	62	75	88	100	125	150	201	11 1/4 x 3 1/4	13 1/4 x 5 1/4	13 3/8 x 5 3/8
12 x 5	46	64	80	96	113	128	160	192	256	11 1/4 x 4 1/4	13 1/4 x 6 1/4	13 3/8 x 6 3/8
12 x 6	55	76	95	115	134	153	191	230	307	11 1/4 x 5 1/4	13 1/4 x 7 1/4	13 3/8 x 7 3/8
12 x 8	73	101	127	152	178	204	254	305	407	11 1/4 x 7 1/4	13 1/4 x 9 1/4	13 3/8 x 9 3/8
12 x 9	82	114	142	171	200	229	285	343	457	11 1/4 x 8 1/4	13 1/4 x 10 1/4	13 3/8 x 10 3/8
12 x 10	91	126	158	190	222	254	316	380	507	11 1/4 x 9 1/4	13 1/4 x 11 1/4	13 3/8 x 11 3/8
14 x 4	43	60	74	90	105	120	150	180	240	13 1/4 x 3 1/4	15 1/4 x 5 1/4	15 3/8 x 5 3/8
14 x 5	53	74	92	110	129	148	184	222	295	13 1/4 x 4 1/4	15 1/4 x 6 1/4	15 3/8 x 6 3/8
14 x 6	64	89	111	133	156	178	223	268	357	13 1/4 x 5 1/4	15 1/4 x 7 1/4	15 3/8 x 7 3/8
14 x 8	85	118	147	177	207	237	296	355	474	13 1/4 x 7 1/4	15 1/4 x 9 1/4	15 3/8 x 9 3/8
14 x 10	106	147	184	221	259	296	369	443	591	13 1/4 x 9 1/4	15 1/4 x 11 1/4	15 3/8 x 11 3/8
16 x 4	49	68	85	102	120	137	170	205	273	15 1/4 x 3 1/4	17 1/4 x 5 1/4	17 3/8 x 5 3/8
16 x 5	61	85	106	127	148	170	212	255	340	15 1/4 x 4 1/4	17 1/4 x 6 1/4	17 3/8 x 6 3/8
16 x 6	73	101	127	152	178	204	254	305	407	15 1/4 x 5 1/4	17 1/4 x 7 1/4	17 3/8 x 7 3/8
16 x 8	97	135	168	202	237	271	337	405	541	15 1/4 x 7 1/4	17 1/4 x 9 1/4	17 3/8 x 9 3/8
18 x 4	55	76	95	115	134	153	191	230	307	17 1/4 x 3 1/4	19 1/4 x 5 1/4	19 3/8 x 5 3/8
18 x 5	68	95	118	142	166	190	236	284	379	17 1/4 x 4 1/4	19 1/4 x 6 1/4	19 3/8 x 6 3/8
18 x 6	82	114	142	171	200	229	285	343	457	17 1/4 x 5 1/4	19 1/4 x 7 1/4	19 3/8 x 7 3/8
18 x 8	109	152	189	227	266	304	379	456	608	17 1/4 x 7 1/4	19 1/4 x 9 1/4	19 3/8 x 9 3/8
20 x 4	61	85	106	127	149	170	212	255	340	19 1/4 x 3 1/4	21 1/4 x 5 1/4	21 3/8 x 5 3/8
20 x 5	76	106	132	158	185	212	264	318	424	19 1/4 x 4 1/4	21 1/4 x 6 1/4	21 3/8 x 6 3/8
20 x 6	91	126	158	190	222	254	316	380	507	19 1/4 x 5 1/4	21 1/4 x 7 1/4	21 3/8 x 7 3/8
20 x 8	122	170	212	254	297	340	424	510	680	19 1/4 x 7 1/4	21 1/4 x 9 1/4	21 3/8 x 9 3/8
20 x 10	152	211	264	317	371	424	529	635	847	19 1/4 x 9 1/4	21 1/4 x 11 1/4	21 3/8 x 11 3/8
22 x 4	67	93	116	140	164	187	233	280	374	21 1/4 x 3 1/4	23 1/4 x 5 1/4	23 3/8 x 5 3/8
22 x 5	84	117	146	175	205	234	292	351	468	21 1/4 x 4 1/4	23 1/4 x 6 1/4	23 3/8 x 6 3/8
22 x 6	100	139	174	209	244	279	348	418	558	21 1/4 x 5 1/4	23 1/4 x 7 1/4	23 3/8 x 7 3/8
22 x 8	134	186	232	279	327	374	466	560	747	21 1/4 x 7 1/4	23 1/4 x 9 1/4	23 3/8 x 9 3/8
24 x 4	73	101	127	152	178	204	254	305	407	23 1/4 x 3 1/4	25 1/4 x 5 1/4	25 3/8 x 5 3/8
24 x 5	91	126	158	190	222	254	316	380	507	23 1/4 x 4 1/4	25 1/4 x 6 1/4	25 3/8 x 6 3/8
24 x 6	109	152	189	227	266	304	379	456	608	23 1/4 x 5 1/4	25 1/4 x 7 1/4	25 3/8 x 7 3/8
24 x 8	146	203	253	304	356	407	508	610	814	23 1/4 x 7 1/4	25 1/4 x 9 1/4	25 3/8 x 9 3/8
26 x 4	79	110	137	165	193	220	275	330	440	25 1/4 x 3 1/4	27 1/4 x 5 1/4	27 3/8 x 5 3/8
26 x 5	99	138	172	206	241	276	344	414	552	25 1/4 x 4 1/4	27 1/4 x 6 1/4	27 3/8 x 6 3/8
26 x 6	119	165	206	248	290	332	414	497	663	25 1/4 x 5 1/4	27 1/4 x 7 1/4	27 3/8 x 7 3/8
26 x 8	158	220	274	329	385	441	549	660	881	25 1/4 x 7 1/4	27 1/4 x 9 1/4	27 3/8 x 9 3/8
28 x 4	85	118	147	177	207	237	296	355	474	27 1/4 x 3 1/4	29 1/4 x 5 1/4	29 3/8 x 5 3/8
28 x 5	106	147	184	221	259	296	369	443	591	27 1/4 x 4 1/4	29 1/4 x 6 1/4	29 3/8 x 6 3/8
28 x 6	128	178	222	267	312	357	445	535	714	27 1/4 x 5 1/4	29 1/4 x 7 1/4	29 3/8 x 7 3/8
28 x 8	170	236	295	354	424	474	591	711	948	27 1/4 x 7 1/4	29 1/4 x 9 1/4	29 3/8 x 9 3/8
30 x 4	91	126	158	191	223	254	316	380	507	29 1/4 x 3 1/4	31 1/4 x 5 1/4	31 3/8 x 5 3/8
30 x 5	114	158	198	238	288	318	396	477	636	29 1/4 x 4 1/4	31 1/4 x 6 1/4	31 3/8 x 6 3/8
30 x 6	137	190	238	286	334	382	476	573	764	29 1/4 x 5 1/4	31 1/4 x 7 1/4	31 3/8 x 7 3/8
30 x 8	182	253	316	379	444	508	633	761	1015	29 1/4 x 7 1/4	31 1/4 x 9 1/4	31 3/8 x 9 3/8
30 x 10	228	317	396	475	556	636	793	953	1271	29 1/4 x 9 1/4	31 1/4 x 11 1/4	31 3/8 x 11 3/8
36 x 4	109	152	189	227	266	304	379	456	608	35 1/4 x 3 1/4	37 1/4 x 5 1/4	37 3/8 x 5 3/8
36 x 5	137	190	238	286	334	382	476	573	764	35 1/4 x 4 1/4	37 1/4 x 6 1/4	37 3/8 x 6 3/8
36 x 6	164	228	285	342	400	457	570	686	914	35 1/4 x 5 1/4	37 1/4 x 7 1/4	37 3/8 x 7 3/8
36 x 8	219	304	380	457	534	611	761	915	1221	35 1/4 x 7 1/4	37 1/4 x 9 1/4	37 3/8 x 9 3/8
36 x 10	274	381	475	571	668	764	953	1145	1528	35 1/4 x 9 1/4	37 1/4 x 11 1/4	37 3/8 x 11 3/8
36 x 12	328	456	569	684	800	915	1140	1371	1829	35 1/4 x 11 1/4	37 1/4 x 13 1/4	37 3/8 x 13 3/8

U. S. AIR-CONDITIONING REGISTERS

Square Lattice, Embossed Vertical Bar and Vertical Oblong Lattice Designs

List Prices include Registers complete with single valves, stackhead and studding frames for sidewall and baseboard installation. Also one-piece and two-piece baseboard registers with $\frac{3}{8}$ inch top and side flanges.

Stackhead Size: (Horizontal Dimension First) Inches	STYLES 101-102-103			STYLES 104-105-106			STYLES 107-108-109			STYLES 110-111-112		
	Black Japanned or Prime Coat	White Japanned, Oak, or Lacquered Finishes	Electro Plated Ox. Copper Nickel Brass Bronze	Black Japanned or Prime Coat	White Japanned, Oak, or Lacquered Finishes	Electro Plated Ox. Copper Nickel Brass Bronze	Black Japanned or Prime Coat	White Japanned, Oak, or Lacquered Finishes	Electro Plated Ox. Copper Nickel Brass Bronze	Black Japanned or Prime Coat	White Japanned, Oak, or Lacquered Finishes	Electro Plated Ox. Copper Nickel Brass Bronze
8 x 6	\$2.30	\$2.45	\$3.20	\$2.85	\$3.00	\$3.75	\$2.65	\$2.80	\$3.55	\$2.85	\$3.00	\$3.75
10 x 4	2.20	2.35	3.05	2.70	2.85	3.55	2.50	2.65	3.35	2.70	2.85	3.55
10 x 5	2.30	2.45	3.20	2.85	3.00	3.75	2.65	2.80	3.55	2.85	3.00	3.75
10 x 6	2.45	2.65	3.40	3.00	3.20	3.95	2.75	2.95	3.70	3.00	3.20	3.95
10 x 8	2.65	2.80	3.65	3.25	3.40	4.25	3.00	3.15	4.00	3.25	3.40	4.25
12 x 4	2.30	2.45	3.20	2.85	3.00	3.75	2.65	2.80	3.55	2.85	3.00	3.75
12 x 5	2.50	2.70	3.50	3.05	3.25	4.05	2.85	3.05	3.85	3.05	3.25	4.05
12 x 6	2.65	2.80	3.65	3.25	3.40	4.25	3.00	3.15	4.00	3.25	3.40	4.25
12 x 8	2.90	3.10	4.00	3.55	3.75	4.65	3.30	3.50	4.40	3.55	3.75	4.65
12 x 9	3.05	3.25	4.25	3.75	3.95	4.95	3.50	3.70	4.70	3.75	3.95	4.95
12 x 10	3.55	3.80	4.90	4.35	4.60	5.70	4.00	4.25	5.35	4.35	4.60	5.70
14 x 4	2.45	2.65	3.40	3.00	3.20	3.95	2.75	2.95	3.70	3.00	3.20	3.95
14 x 5	2.65	2.80	3.65	3.25	3.40	4.25	3.00	3.15	4.00	3.25	3.40	4.25
14 x 6	2.90	3.10	4.00	3.55	3.75	4.65	3.30	3.50	4.40	3.55	3.75	4.65
14 x 8	3.05	3.25	4.25	3.75	3.95	4.95	3.50	3.70	4.70	3.75	3.95	4.95
14 x 10	3.95	4.25	5.50	4.85	5.15	6.40	4.50	4.80	6.05	4.85	5.15	6.40
16 x 4	2.50	2.70	3.50	3.05	3.25	4.05	2.85	3.05	3.85	3.05	3.25	4.05
16 x 5	2.80	3.00	3.85	3.40	3.60	4.45	3.15	3.35	4.20	3.40	3.60	4.45
16 x 6	3.05	3.25	4.25	3.75	3.95	4.95	3.50	3.70	4.70	3.75	3.95	4.95
16 x 8	3.50	3.75	4.90	4.30	4.55	5.70	4.00	4.25	5.35	4.30	4.55	5.70
16 x 10	4.20	4.45	5.80	5.15	5.40	6.75	4.75	5.05	6.35	5.15	5.40	6.75
18 x 4	2.65	2.80	3.65	3.25	3.40	4.25	3.00	3.15	4.00	3.25	3.40	4.25
18 x 5	2.90	3.10	4.00	3.55	3.75	4.65	3.30	3.50	4.40	3.55	3.75	4.65
18 x 6	3.35	3.55	4.60	4.10	4.30	5.35	3.80	4.00	5.05	4.10	4.30	5.35
18 x 8	3.95	4.25	5.50	4.85	5.15	6.40	4.50	4.75	6.05	4.85	5.15	6.40
18 x 10	4.50	4.80	6.25	5.55	5.85	7.30	5.15	5.45	6.85	5.55	5.85	7.30
20 x 4	2.90	3.10	4.00	3.55	3.75	4.65	3.30	3.50	4.40	3.55	3.75	4.65
20 x 5	3.05	3.25	4.25	3.75	3.95	4.95	3.50	3.70	4.70	3.75	3.95	4.95
20 x 6	3.75	4.00	5.20	4.60	4.85	6.05	4.25	4.50	5.70	4.60	4.85	6.05
20 x 8	4.40	4.70	6.10	5.40	5.70	7.10	5.00	5.30	6.70	5.40	5.70	7.10
20 x 10	4.85	5.15	6.70	5.95	6.25	7.80	5.50	5.85	7.35	5.95	6.25	7.80
22 x 4	3.10	3.30	4.25	3.80	4.00	4.95	3.50	3.70	4.70	3.80	4.00	4.95
22 x 5	3.30	3.55	4.60	4.05	4.30	5.35	3.75	4.00	5.05	4.05	4.30	5.35
22 x 6	3.95	4.25	5.50	4.85	5.15	6.40	4.50	4.80	6.05	4.85	5.15	6.40
22 x 8	4.60	4.95	6.40	5.65	6.00	7.45	5.25	5.55	7.15	5.65	6.00	7.45
22 x 10	5.05	5.40	7.00	6.20	6.55	8.15	5.75	6.10	7.70	6.20	6.65	8.15
24 x 4	3.35	3.55	4.60	4.10	4.30	5.35	3.80	4.00	5.05	4.10	4.30	5.35
24 x 5	3.55	3.80	4.90	4.35	4.60	5.70	4.00	4.25	5.35	4.35	4.60	5.70
24 x 6	4.20	4.45	5.80	5.15	5.40	6.75	4.80	5.05	6.40	5.15	5.40	6.75
24 x 8	4.85	5.15	6.70	5.95	6.25	7.80	5.50	5.80	7.35	5.95	6.25	7.80
24 x 10	5.30	5.65	7.30	6.50	6.85	8.50	6.00	6.35	8.05	6.50	6.85	8.50
26 x 4	3.50	3.75	4.90	4.30	4.55	5.70	4.00	4.25	5.35	4.30	4.55	5.70
26 x 5	3.75	4.00	5.20	4.60	4.85	6.05	4.25	4.50	5.70	4.60	4.85	6.05
26 x 6	4.40	4.70	6.10	5.40	5.70	7.10	5.00	5.30	6.70	5.40	5.70	7.10
26 x 8	5.30	5.65	7.30	6.50	6.85	8.50	6.00	6.35	8.05	6.50	6.85	8.50
26 x 10	5.70	6.15	7.95	7.00	7.40	9.25	6.50	6.90	8.70	7.00	7.40	9.25
28 x 4	3.75	4.00	5.20	4.60	4.85	6.05	4.25	4.50	5.70	4.60	4.85	6.05
28 x 5	4.20	4.45	5.80	5.15	5.40	6.75	4.75	5.05	6.35	5.15	5.40	6.75
28 x 6	4.85	5.15	6.70	5.95	6.25	7.80	5.50	5.85	7.35	5.95	6.25	7.80
28 x 8	5.30	5.60	7.30	6.50	6.85	8.50	6.00	6.35	8.05	6.50	6.85	8.50
28 x 10	6.15	6.60	8.55	7.55	8.00	9.95	7.00	7.40	9.40	7.55	8.00	9.95
30 x 4	4.10	4.35	5.65	5.05	5.30	6.60	4.65	4.90	6.20	5.05	5.30	6.60
30 x 5	4.40	4.70	6.10	5.40	5.70	7.10	5.00	5.30	6.70	5.40	5.70	7.10
30 x 6	5.10	5.45	7.05	6.25	6.60	8.20	5.80	6.10	7.75	6.25	6.60	8.20
30 x 8	5.75	6.15	7.95	7.05	7.45	9.25	6.50	6.90	8.70	7.05	7.45	9.25
30 x 10	6.40	6.80	8.85	7.85	8.25	10.30	7.30	7.70	9.75	7.85	8.25	10.30
36 x 4	5.50	5.90	7.65	6.75	7.15	8.90	6.25	6.65	8.40	6.75	7.15	8.90
36 x 5	5.70	6.15	7.95	7.00	7.40	9.25	6.50	6.90	8.70	7.00	7.40	9.25
36 x 6	5.95	6.35	8.25	7.30	7.70	9.60	6.75	7.15	9.05	7.30	7.70	9.60
36 x 8	6.40	6.80	8.85	7.85	8.25	10.30	7.25	7.70	9.70	7.85	8.25	10.30
36 x 10	7.25	7.80	10.05	8.90	9.40	11.70	8.25	8.75	11.05	8.90	9.40	11.70

Additional sizes furnished.

U. S. AIR-CONDITIONING REGISTERS (Close Space) (Directional Flow)

List Prices include Registers complete with single valves, stackhead and studding frames for sidewall and baseboard installations. Also one-piece and two-piece baseboard registers with $\frac{3}{8}$ inch top and side flanges.

Stackhead Size: (Horizontal Dimension First) Inches	STYLES 119-120-121- 122-123-124			STYLES 125-126-127- 128-129-130			STYLES 131-132-133- 134-135			STYLES 136-137-138- 139-140		
	Black Japanned or Prime Coat	White Japanned, Oak, or Lacquered Finishes	Electro Plated Ox. Copper Nickel Brass Bronze	Black Japanned or Prime Coat	White Japanned, Oak, or Lacquered Finishes	Electro Plated Ox. Copper Nickel Brass Bronze	Black Japanned or Prime Coat	White Japanned, Oak, or Lacquered Finishes	Electro Plated Ox. Copper Nickel Brass Bronze	Black Japanned or Prime Coat	White Japanned, Oak, or Lacquered Finishes	Electro Plated Ox. Copper Nickel Brass Bronze
8 x 6	\$3.55	\$3.70	\$4.45	\$4.10	\$4.25	\$5.00	\$3.90	\$4.05	\$4.80	\$4.10	\$4.25	\$5.00
10 x 4	3.40	3.55	4.25	3.90	4.05	4.75	3.70	3.85	4.55	3.90	4.05	4.75
10 x 5	3.55	3.70	4.45	4.10	4.25	5.00	3.90	4.05	4.80	4.10	4.25	5.00
10 x 6	3.75	3.95	4.70	4.30	4.50	5.25	4.05	4.25	5.00	4.30	4.50	5.25
10 x 8	4.10	4.25	5.10	4.70	4.85	5.70	4.45	4.60	5.45	4.70	4.85	5.70
12 x 4	3.55	3.70	4.45	4.10	4.25	5.00	3.90	4.05	4.80	4.10	4.25	5.00
12 x 5	3.90	4.10	4.90	4.45	4.65	5.45	4.25	4.45	5.25	4.45	4.65	5.45
12 x 6	4.10	4.25	5.10	4.70	4.85	5.70	4.45	4.60	5.45	4.70	4.85	5.70
12 x 8	4.45	4.65	5.55	5.10	5.30	6.20	4.85	5.05	5.95	5.10	5.30	6.20
12 x 9	4.75	4.95	5.95	5.45	5.65	6.65	5.20	5.40	6.40	5.45	5.65	6.65
12 x 10	5.45	5.70	6.80	6.25	6.50	7.60	5.90	6.15	7.25	6.25	6.50	7.60
14 x 4	3.75	3.95	4.70	4.30	4.50	5.25	4.05	4.25	5.00	4.30	4.50	5.25
14 x 5	4.10	4.25	5.10	4.70	4.85	5.70	4.45	4.60	5.45	4.70	4.85	5.70
14 x 6	4.45	4.65	5.55	5.10	5.30	6.20	4.85	5.05	5.95	5.10	5.30	6.20
14 x 8	4.75	4.95	5.95	5.45	5.65	6.65	5.20	5.40	6.40	5.45	5.65	6.65
14 x 10	6.10	6.40	7.65	7.00	7.30	8.55	6.65	6.95	8.20	7.00	7.30	8.55
16 x 4	3.90	4.10	4.90	4.45	4.65	5.45	4.25	4.45	5.25	4.45	4.65	5.45
16 x 5	4.30	4.50	5.35	4.90	5.10	5.95	4.65	4.85	5.70	4.90	5.10	5.95
16 x 6	4.75	4.95	5.95	5.45	5.65	6.65	5.20	5.40	6.40	5.45	5.65	6.65
16 x 8	5.45	5.70	6.80	6.25	6.50	7.60	5.90	6.15	7.30	6.25	6.50	7.60
16 x 10	6.45	6.75	8.10	7.40	7.70	9.05	7.05	7.30	8.65	7.40	7.70	9.05
18 x 4	4.10	4.25	5.10	4.70	4.85	5.70	4.45	4.60	5.45	4.70	4.85	5.70
18 x 5	4.45	4.65	5.55	5.10	5.30	6.20	4.85	5.05	5.95	5.10	5.30	6.20
18 x 6	5.15	5.35	6.40	5.90	6.10	7.15	5.60	5.80	6.85	5.90	6.10	7.15
18 x 8	6.10	6.40	7.65	7.00	7.30	8.55	6.65	6.95	8.20	7.00	7.30	8.55
18 x 10	6.95	7.30	8.70	8.00	8.30	9.75	7.60	7.90	9.35	8.00	8.30	9.75
20 x 4	4.45	4.65	5.55	5.10	5.30	6.20	4.85	5.05	5.95	5.10	5.30	6.20
20 x 5	4.75	4.95	5.95	5.45	5.65	6.65	5.20	5.40	6.40	5.45	5.65	6.65
20 x 6	5.80	6.05	7.25	6.65	6.90	8.10	6.30	6.55	7.75	6.65	6.90	8.10
20 x 8	6.80	7.10	8.50	7.80	8.10	9.50	7.40	7.70	9.10	7.80	8.10	9.50
20 x 10	7.50	7.80	9.35	8.60	8.90	10.45	8.15	8.45	10.00	8.60	8.90	10.45
22 x 4	4.75	4.95	5.95	5.45	5.65	6.65	5.20	5.40	6.35	5.45	5.65	6.65
22 x 5	5.10	5.35	6.40	5.85	6.10	7.15	5.55	5.80	6.85	5.85	6.10	7.15
22 x 6	6.10	6.40	7.65	7.00	7.30	8.55	6.65	6.95	8.20	7.00	7.30	8.55
22 x 8	7.15	7.45	8.95	8.20	8.50	10.00	7.75	8.10	9.55	8.20	8.50	10.00
22 x 10	7.80	8.15	9.80	8.95	9.30	10.95	8.50	8.85	10.45	8.95	9.30	10.95
24 x 4	5.15	5.35	6.40	5.90	6.10	7.15	5.60	5.80	6.85	5.90	6.10	7.15
24 x 5	5.45	5.70	6.80	6.25	6.50	7.60	5.90	6.15	7.25	6.25	6.50	7.60
24 x 6	6.50	6.75	8.10	7.45	7.70	9.05	7.10	7.35	8.70	7.45	7.70	9.05
24 x 8	7.50	7.80	9.35	8.60	8.90	10.45	8.15	8.45	10.00	8.60	8.90	10.45
24 x 10	8.15	8.50	10.20	9.35	9.70	11.40	8.90	9.25	10.90	9.35	9.70	11.40
26 x 4	5.45	5.70	6.80	6.25	6.50	7.60	5.90	6.15	7.30	6.25	6.50	7.60
26 x 5	5.80	6.05	7.25	6.65	6.90	8.10	6.30	6.55	7.75	6.65	6.90	8.10
26 x 6	6.80	7.10	8.50	7.80	8.10	9.50	7.40	7.70	9.10	7.80	8.10	9.50
26 x 8	8.15	8.50	10.20	9.35	9.70	11.40	8.90	9.25	10.90	9.35	9.70	11.40
26 x 10	8.85	9.25	11.05	10.15	10.55	12.35	9.60	10.00	11.85	10.15	10.55	12.35
28 x 4	5.80	6.05	7.25	6.65	6.90	8.10	6.30	6.55	7.75	6.65	6.90	8.10
28 x 5	6.45	6.75	8.10	7.40	7.70	9.05	7.05	7.30	8.65	7.40	7.70	9.05
28 x 6	7.50	7.80	9.35	8.60	8.90	10.45	8.15	8.45	10.00	8.60	8.90	10.45
28 x 8	8.15	8.50	10.20	9.35	9.70	11.40	8.90	9.25	10.90	9.35	9.70	11.40
28 x 10	9.50	9.95	11.90	10.90	11.35	13.30	10.35	10.80	12.75	10.90	11.35	13.30
30 x 4	6.30	6.55	7.85	7.25	7.50	8.80	6.85	7.10	8.40	7.25	7.50	8.80
30 x 5	6.80	7.10	8.50	7.80	8.10	9.50	7.40	7.70	9.10	7.80	8.10	9.50
30 x 6	7.85	8.20	9.80	9.00	9.35	10.95	8.55	8.90	10.50	9.00	9.35	10.95
30 x 8	8.85	9.25	11.05	10.15	10.55	12.35	9.60	10.00	11.80	10.15	10.55	12.35
30 x 10	9.90	10.30	12.35	11.35	11.75	13.80	10.80	11.20	13.25	11.35	11.75	13.80
36 x 4	8.50	8.90	10.65	9.75	10.15	11.90	9.25	9.65	11.40	9.75	10.15	11.90
36 x 5	8.85	9.25	11.05	10.15	10.55	12.35	9.60	10.00	11.85	10.15	10.55	12.35
36 x 6	9.20	9.60	11.50	10.55	10.95	12.85	10.00	10.40	12.30	10.55	10.95	12.85
36 x 8	9.85	10.30	12.35	11.30	11.75	13.80	10.75	11.15	13.20	11.30	11.75	13.80
36 x 10	11.20	11.70	14.05	12.85	13.35	15.70	12.20	12.70	15.00	12.85	13.35	15.70

Additional sizes furnished.

U. S. AIR-CONDITIONING REGISTERS (Open Space) (Fin-Type Directional Flow)

List Prices include Registers complete with single valves, stackhead and studding frames for sidewall and baseboard installations. Also one-piece and two-piece baseboard registers with $\frac{7}{8}$ inch top and side flanges.

Stackhead Size: (Horizontal Dimension First) Inches	STYLES 119-0, 120-0, 121-0, 122-0, 123-0, 124-0			STYLES 125-0, 126-0, 127-0, 128-0, 129-0, 130-0			STYLES 131-0, 132-0, 133-0, 134-0, 135-0			STYLES 136-0, 137-0, 138-0, 139-0, 140-0		
	Black Japanned or Prime Coat	White Japanned, Oak, or Lacquered Finishes	Electro Plated Ox. Copper Nickel Brass Bronze	Black Japanned or Prime Coat	White Japanned, Oak, or Lacquered Finishes	Electro Plated Ox. Copper Nickel Brass Bronze	Black Japanned or Prime Coat	White Japanned, Oak, or Lacquered Finishes	Electro Plated Ox. Copper Nickel Brass Bronze	Black Japanned or Prime Coat	White Japanned, Oak, or Lacquered Finishes	Electro Plated Ox. Copper Nickel Brass Bronze
8 x 6	\$2.55	\$2.70	\$3.45	\$3.10	\$3.25	\$4.00	\$2.90	\$3.05	\$3.80	\$3.10	\$3.25	\$4.00
10 x 4	2.45	2.60	3.30	2.95	3.10	3.80	2.75	2.90	3.60	2.95	3.10	3.80
10 x 5	2.55	2.70	3.45	3.10	3.25	4.00	2.90	3.05	3.80	3.10	3.25	4.00
10 x 6	2.75	2.95	3.70	3.30	3.50	4.25	3.05	3.25	4.00	3.30	3.50	4.25
10 x 8	2.95	3.10	3.95	3.55	3.70	4.55	3.30	3.45	4.30	3.55	3.70	4.55
12 x 4	2.55	2.70	3.45	3.10	3.25	4.00	2.90	3.05	3.80	3.10	3.25	4.00
12 x 5	2.80	3.00	3.80	3.35	3.55	4.35	3.15	3.35	4.15	3.35	3.55	4.35
12 x 6	2.95	3.10	3.95	3.55	3.70	4.55	3.30	3.45	4.30	3.55	3.70	4.55
12 x 8	3.25	3.45	4.35	3.90	4.10	5.00	3.65	3.85	4.75	3.90	4.10	5.00
12 x 9	3.40	3.60	4.60	4.10	4.30	5.30	3.85	4.05	5.05	4.10	4.30	5.30
12 x 10	3.95	4.20	5.30	4.75	5.00	6.10	4.40	4.65	5.75	4.75	5.00	6.10
14 x 4	2.75	2.95	3.70	3.30	3.50	4.25	3.05	3.25	4.00	3.30	3.50	4.25
14 x 5	2.95	3.10	3.95	3.55	3.70	4.55	3.30	3.45	4.30	3.55	3.70	4.55
14 x 6	3.25	3.45	4.35	3.90	4.10	5.00	3.65	3.85	4.75	3.90	4.10	5.00
14 x 8	3.40	3.60	4.60	4.10	4.30	5.30	3.85	4.05	5.05	4.10	4.30	5.30
14 x 10	4.40	4.70	5.95	5.30	5.60	6.85	4.95	5.25	6.50	5.30	5.60	6.85
16 x 4	2.80	3.00	3.80	3.35	3.55	4.35	3.15	3.35	4.15	3.35	3.55	4.35
16 x 5	3.10	3.30	4.15	3.70	3.90	4.75	3.45	3.65	4.50	3.70	3.90	4.75
16 x 6	3.40	3.60	4.60	4.10	4.30	5.30	3.85	4.05	5.05	4.10	4.30	5.30
16 x 8	3.90	4.15	5.30	4.70	4.95	6.10	4.40	4.65	5.75	4.70	4.95	6.10
16 x 10	4.65	4.95	6.25	5.60	5.90	7.20	5.25	5.50	6.85	5.60	5.90	7.20
18 x 4	2.95	3.10	3.95	3.55	3.70	4.55	3.30	3.45	4.30	3.55	3.70	4.55
18 x 5	3.25	3.45	4.35	3.90	4.10	5.00	3.65	3.85	4.75	3.90	4.10	5.00
18 x 6	3.75	3.95	5.00	4.50	4.70	5.75	4.20	4.40	5.45	4.50	4.70	5.75
18 x 8	4.40	4.70	5.95	5.30	5.60	6.85	4.95	5.20	6.50	5.30	5.60	6.85
18 x 10	5.00	5.35	6.75	6.05	6.35	7.80	5.65	5.95	7.40	6.05	6.35	7.80
20 x 4	3.25	3.45	4.35	3.90	4.10	5.00	3.65	3.85	4.75	3.90	4.10	5.00
20 x 5	3.40	3.60	4.60	4.10	4.30	5.30	3.85	4.05	5.05	4.10	4.30	5.30
20 x 6	4.20	4.45	5.65	5.05	5.30	6.50	4.70	4.95	6.15	5.05	5.30	6.50
20 x 8	4.90	5.20	6.60	5.90	6.20	7.60	5.50	5.80	7.20	5.90	6.20	7.60
20 x 10	5.40	5.70	7.25	6.50	6.80	8.35	6.05	6.40	7.90	6.50	6.80	8.35
22 x 4	3.45	3.65	4.60	4.15	4.35	5.30	3.85	4.05	5.05	4.15	4.35	5.30
22 x 5	3.70	3.90	4.95	4.45	4.65	5.70	4.15	4.35	5.40	4.45	4.65	5.70
22 x 6	4.40	4.70	5.95	5.30	5.60	6.85	4.95	5.25	6.50	5.30	5.60	6.85
22 x 8	5.15	5.45	6.95	6.20	6.50	8.00	5.80	6.10	7.55	6.20	6.50	8.00
22 x 10	5.65	6.00	7.60	6.80	7.15	8.75	6.35	6.65	8.30	6.80	7.15	8.75
24 x 4	3.75	3.95	5.00	4.50	4.70	5.75	4.20	4.40	5.45	4.50	4.70	5.75
24 x 5	3.95	4.20	5.30	4.75	5.00	6.10	4.40	4.65	5.75	4.75	5.00	6.10
24 x 6	4.70	4.95	6.30	5.65	5.90	7.25	5.30	5.55	6.90	5.65	5.90	7.25
24 x 8	5.40	5.70	7.25	6.50	6.80	8.35	6.05	6.35	7.90	6.50	6.80	8.35
24 x 10	5.90	6.25	7.90	7.10	7.45	9.10	6.60	6.95	8.65	7.10	7.45	9.10
26 x 4	3.90	4.15	5.30	4.70	4.95	6.10	4.40	4.65	5.75	4.70	4.95	6.10
26 x 5	4.15	4.40	5.60	5.00	5.25	6.45	4.70	4.95	6.10	5.00	5.25	6.45
26 x 6	4.90	5.20	6.60	5.90	6.20	7.60	5.50	5.80	7.20	5.90	6.20	7.60
26 x 8	5.90	6.25	7.90	7.10	7.45	9.10	6.60	6.95	8.65	7.10	7.45	9.10
26 x 10	6.35	6.75	8.60	7.65	8.05	9.90	7.15	7.55	9.35	7.65	8.05	9.90
28 x 4	4.15	4.40	5.60	5.00	5.25	6.45	4.70	4.95	6.10	5.00	5.25	6.45
28 x 5	4.65	4.95	6.25	5.60	5.90	7.20	5.25	5.50	6.85	5.60	5.90	7.20
28 x 6	5.40	5.70	7.25	6.50	6.80	8.35	6.05	6.40	7.90	6.50	6.80	8.35
28 x 8	5.90	6.25	7.90	7.10	7.45	9.10	6.60	6.95	8.65	7.10	7.45	9.10
28 x 10	6.85	7.30	9.25	8.25	8.70	10.65	7.70	8.10	10.10	8.25	8.70	10.65
30 x 4	4.55	4.80	6.10	5.50	5.75	7.05	5.10	5.35	6.65	5.50	5.75	7.05
30 x 5	4.90	5.20	6.60	5.90	6.20	7.60	5.50	5.80	7.20	5.90	6.20	7.60
30 x 6	5.70	6.05	7.65	6.85	7.20	8.80	6.40	6.75	8.35	6.85	7.20	8.80
30 x 8	6.40	6.80	8.60	7.70	8.10	9.90	7.15	7.55	9.35	7.70	8.10	9.90
30 x 10	7.15	7.55	9.60	8.60	9.00	11.05	8.05	8.45	10.50	8.60	9.00	11.05
36 x 4	6.15	6.50	8.25	7.40	7.75	9.50	6.90	7.25	9.00	7.40	7.75	9.50
36 x 5	6.35	6.75	8.60	7.65	8.05	9.90	7.15	7.55	9.35	7.65	8.05	9.90
36 x 6	6.60	7.00	8.90	7.95	8.35	10.25	7.45	7.85	9.70	7.95	8.35	10.25
36 x 8	7.10	7.55	9.55	8.55	9.00	11.00	8.00	8.40	10.45	8.55	9.00	11.00
36 x 10	8.10	8.60	10.90	9.75	10.25	12.55	9.10	9.55	11.90	9.75	10.25	12.55

Additional sizes furnished.

U. S. AIR-CONDITIONING FLAT VENT FACES (Less Valves and Stackhead Frames)

Can be used for Cold Air Intakes or Warm Air Outlets where no valves are required.

Stackhead Size: (Horizontal Dimension First) Inches	STYLES 116-117-118 Wrought Steel			STYLES 143-0, 144-0 Open-Space Fin-Type			STYLES 143-144 Close-Space Fin-Type		
	Black Japanned or Prime Coat	White Japanned, Oak, or Lacquered Finishes	Electro Plated Ox. Copper Nickel Brass Bronze	Black Japanned or Prime Coat	White Japanned, Oak, or Lacquered Finishes	Electro Plated Ox. Copper Nickel Brass Bronze	Black Japanned or Prime Coat	White Japanned, Oak, or Lacquered Finishes	Electro Plated Ox. Copper Nickel Brass Bronze
8 x 6	\$1.20	\$1.35	\$2.10	\$1.45	\$1.60	\$2.35	\$2.45	\$2.60	\$3.35
10 x 4	1.15	1.30	2.00	1.40	1.55	2.25	2.35	2.50	3.20
10 x 5	1.20	1.35	2.10	1.45	1.60	2.35	2.45	2.60	3.35
10 x 6	1.25	1.45	2.20	1.55	1.75	2.50	2.55	2.75	3.50
10 x 8	1.40	1.55	2.40	1.70	1.85	2.70	2.85	3.00	3.85
12 x 4	1.20	1.35	2.10	1.45	1.60	2.35	2.45	2.60	3.35
12 x 5	1.30	1.50	2.30	1.60	1.80	2.60	2.70	2.90	3.70
12 x 6	1.40	1.55	2.40	1.70	1.85	2.70	2.85	3.00	3.85
12 x 8	1.50	1.70	2.60	1.85	2.05	2.95	3.05	3.25	4.15
12 x 9	1.60	1.80	2.80	1.95	2.15	3.15	3.30	3.50	4.50
12 x 10	1.85	2.10	3.20	2.25	2.50	3.60	3.75	4.00	5.10
14 x 4	1.25	1.45	2.20	1.55	1.75	2.50	2.55	2.75	3.50
14 x 5	1.40	1.55	2.40	1.70	1.85	2.70	2.85	3.00	3.85
14 x 6	1.50	1.70	2.60	1.85	2.05	2.95	3.05	3.25	4.15
14 x 8	1.60	1.80	2.80	1.95	2.15	3.15	3.30	3.50	4.50
14 x 10	2.05	2.35	3.60	2.50	2.80	4.05	4.20	4.50	5.75
16 x 4	1.30	1.50	2.30	1.60	1.80	2.60	2.70	2.90	3.70
16 x 5	1.45	1.65	2.50	1.75	1.95	2.80	2.95	3.15	4.00
16 x 6	1.60	1.80	2.80	1.95	2.15	3.15	3.30	3.50	4.50
16 x 8	1.85	2.10	3.20	2.25	2.50	3.60	3.75	4.00	5.10
16 x 10	2.20	2.45	3.80	2.65	2.95	4.30	4.45	4.75	6.10
18 x 4	1.40	1.55	2.40	1.70	1.85	2.70	2.85	3.00	3.85
18 x 5	1.50	1.70	2.60	1.85	2.05	2.95	3.05	3.25	4.15
18 x 6	1.75	1.95	3.00	2.15	2.35	3.40	3.55	3.75	4.80
18 x 8	2.05	2.35	3.60	2.50	2.80	4.05	4.25	4.50	5.75
18 x 10	2.35	2.65	4.10	2.85	3.20	4.60	4.80	5.15	6.55
20 x 4	1.50	1.70	2.60	1.85	2.05	2.95	3.05	3.25	4.15
20 x 5	1.60	1.80	2.80	1.95	2.15	3.15	3.30	3.50	4.50
20 x 6	1.95	2.20	3.40	2.40	2.65	3.85	4.00	4.25	5.45
20 x 8	2.30	2.60	4.00	2.80	3.10	4.50	4.70	5.00	6.40
20 x 10	2.55	2.85	4.40	3.10	3.40	4.95	5.15	5.50	7.05
22 x 4	1.60	1.80	2.80	1.95	2.15	3.15	3.30	3.50	4.50
22 x 5	1.75	1.95	3.00	2.10	2.35	3.40	3.55	3.75	4.80
22 x 6	2.05	2.35	3.60	2.50	2.80	4.05	4.20	4.50	5.75
22 x 8	2.40	2.75	4.20	2.95	3.25	4.75	4.95	5.25	6.70
22 x 10	2.65	3.00	4.60	3.20	3.55	5.20	5.40	5.75	7.35
24 x 4	1.75	1.95	3.00	2.15	2.35	3.40	3.55	3.75	4.80
24 x 5	1.85	2.10	3.20	2.25	2.50	3.60	3.75	4.00	5.10
24 x 6	2.20	2.45	3.80	2.70	2.95	4.30	4.50	4.75	6.10
24 x 8	2.55	2.85	4.40	3.10	3.40	4.95	5.20	5.50	7.05
24 x 10	2.75	3.10	4.80	3.35	3.70	5.40	5.65	6.00	7.70
26 x 4	1.85	2.10	3.20	2.25	2.50	3.60	3.75	4.00	5.10
26 x 5	1.95	2.20	3.40	2.40	2.65	3.85	4.00	4.25	5.45
26 x 6	2.30	2.60	4.00	2.80	3.10	4.50	4.70	5.00	6.40
26 x 8	2.75	3.10	4.80	3.35	3.70	5.40	5.65	6.00	7.70
26 x 10	3.00	3.40	5.20	3.65	4.05	5.85	6.10	6.50	8.30
28 x 4	1.95	2.20	3.40	2.40	2.65	3.85	4.00	4.25	5.45
28 x 5	2.20	2.45	3.80	2.65	2.95	4.30	4.50	4.75	6.10
28 x 6	2.55	2.85	4.40	3.10	3.40	4.95	5.20	5.50	7.05
28 x 8	2.75	3.10	4.80	3.35	3.70	5.40	5.65	6.00	7.70
28 x 10	3.20	3.65	5.60	3.90	4.35	6.30	6.60	7.00	8.95
30 x 4	2.15	2.40	3.70	2.60	2.85	4.15	4.35	4.60	5.90
30 x 5	2.30	2.60	4.00	2.80	3.10	4.50	4.70	5.00	6.40
30 x 6	2.65	3.00	4.60	3.25	3.60	5.20	5.40	5.75	7.35
30 x 8	3.00	3.40	5.20	3.65	4.05	5.85	6.10	6.50	8.30
30 x 10	3.35	3.75	5.80	4.10	4.50	6.55	6.85	7.25	9.30
36 x 4	2.90	3.25	5.00	3.50	3.90	5.65	5.90	6.25	8.00
36 x 5	3.00	3.40	5.20	3.65	4.05	5.85	6.10	6.50	8.30
36 x 6	3.10	3.50	5.40	3.80	4.20	6.10	6.35	6.75	8.65
36 x 8	3.35	3.75	5.80	4.10	4.50	6.55	6.85	7.25	9.30
36 x 10	3.80	4.30	6.60	4.65	5.15	7.45	7.75	8.25	10.55
46 x 4	3.45	3.90	6.00	4.20	4.65	6.75	7.05	7.50	9.60
46 x 5	3.55	4.05	6.20	4.35	4.80	7.00	7.30	7.75	9.90
46 x 6	3.80	4.30	6.60	4.60	5.10	7.45	7.75	8.25	10.55
46 x 8	4.15	4.70	7.20	5.05	5.60	8.10	8.45	9.00	11.50
46 x 10	5.20	5.85	9.00	6.30	7.00	10.15	10.60	11.25	14.40

Additional sizes furnished.

U. S. AIR-CONDITIONING BASEBOARD VENT FACES, 7/8 INCH TOP AND SIDE FLANGES

Can Be Used for Cold Air Intakes or Warm Air Outlets Where no Valves are Required.

Wall Opening Size: (Horizontal Dimension First) Inches	STYLES 113-114-115 Wrought Steel			STYLES 141-0, 142-0 Open-Space Fin-Type			STYLES 141-142 Close-Space Fin-Type			List Prices for Duct Fitting Flanges
	Black Japanned or Prime Coat	White Japanned, Oak, or Lacquered Finishes	Electro Plated Nickel Brass Bronze	Black Japanned or Prime Coat	White Japanned, Oak, or Lacquered Finishes	Electro Plated Nickel Brass Bronze	Black Japanned or Prime Coat	White Japanned, Oak, or Lacquered Finishes	Electro Plated Nickel Brass Bronze	
8 x 6	\$1.55	\$1.70	\$2.45	\$1.80	\$1.95	\$2.70	\$2.80	\$2.95	\$3.70	\$.30
10 x 4	1.45	1.60	2.30	1.70	1.85	2.55	2.65	2.80	3.50	.30
10 x 5	1.55	1.70	2.45	1.80	1.95	2.70	2.80	2.95	3.70	.30
10 x 6	1.60	1.75	2.50	1.85	2.05	2.80	2.85	3.05	3.80	.35
10 x 8	1.75	1.90	2.75	2.05	2.20	3.05	3.20	3.35	4.20	.35
12 x 4	1.55	1.70	2.45	1.80	1.95	2.70	2.80	2.95	3.70	.30
12 x 5	1.65	1.85	2.65	1.95	2.15	2.95	3.05	3.25	4.05	.35
12 x 6	1.75	1.90	2.75	2.05	2.20	3.05	3.20	3.35	4.20	.35
12 x 8	1.90	2.10	3.00	2.25	2.45	3.35	3.45	3.65	4.55	.40
12 x 9	2.05	2.25	3.25	2.40	2.60	3.60	3.75	3.95	4.95	.40
12 x 10	2.30	2.55	3.65	2.70	2.95	4.05	4.20	4.45	5.55	.50
14 x 4	1.55	1.75	2.50	1.85	2.05	2.80	2.85	3.05	3.80	.35
14 x 5	1.75	1.90	2.75	2.05	2.20	3.05	3.20	3.35	4.20	.35
14 x 6	1.90	2.10	3.00	2.25	2.45	3.35	3.45	3.65	4.55	.40
14 x 8	2.05	2.25	3.25	2.40	2.60	3.60	3.75	3.95	4.95	.40
14 x 10	2.60	2.90	4.15	3.05	3.35	4.60	4.75	5.05	6.30	.55
18 x 4	1.75	1.90	2.75	2.05	2.20	3.05	3.20	3.35	4.20	.35
18 x 5	1.90	2.10	3.00	2.20	2.40	3.30	3.45	3.65	4.55	.40
18 x 6	2.20	2.40	3.45	2.55	2.80	3.85	4.00	4.20	5.25	.45
18 x 8	2.60	2.90	4.15	3.05	3.35	4.60	4.75	5.05	6.30	.55
18 x 10	2.95	3.30	4.70	3.50	3.80	5.25	5.45	5.75	7.20	.60
24 x 4	2.20	2.40	3.45	2.60	2.80	3.85	4.00	4.20	5.25	.45
24 x 5	2.30	2.55	3.65	2.70	2.95	4.05	4.20	4.45	5.55	.50
24 x 6	2.80	3.05	4.40	3.30	3.55	4.90	5.10	5.35	6.70	.55
24 x 8	3.20	3.50	5.05	3.75	4.05	5.60	5.85	6.15	7.70	.65
24 x 10	3.50	3.85	5.50	4.10	4.45	6.10	6.35	6.70	8.40	.70
30 x 4	2.70	2.95	4.25	3.15	3.40	4.70	4.90	5.15	6.45	.55
30 x 5	2.90	3.20	4.60	3.40	3.70	5.10	5.30	5.60	7.00	.60
30 x 6	3.35	3.70	5.30	3.95	4.30	5.90	6.10	6.45	8.05	.70
30 x 8	3.75	4.15	5.95	4.40	4.80	6.60	6.85	7.25	9.05	.80
30 x 10	4.20	4.65	6.65	4.95	5.35	7.40	7.70	8.10	10.15	.85
36 x 4	3.65	4.00	5.75	4.25	4.65	6.40	6.65	7.00	8.75	.75
36 x 5	3.75	4.20	6.00	4.40	4.80	6.65	6.90	7.30	9.10	.80
36 x 6	3.90	4.30	6.20	4.60	5.00	6.90	7.15	7.55	9.45	.80
36 x 8	4.20	4.65	6.65	4.95	5.35	7.40	7.70	8.10	10.15	.85
36 x 10	4.80	5.30	7.60	5.60	6.10	8.40	8.75	9.25	11.55	1.00

Additional sizes can be furnished special to order. Top and Bottom Flanges other than 7/8 inch deep made special to order.

Abbreviations for Finishes U. S. Air Conditioning Registers

P. C. Prime Coat
 B. J. Black Japan
 W. White
 O. C. Oxidized Copper Electro Plated
 P. Cop. Polished Copper Electro Plated
 B. C. Brush Copper Electro Plated
 O. B. Oxidized Brass Electro Plated
 B. Br. Brush Brass Electro Plated
 P. Br. Polished Brass Electro Plated
 N. Nickel Electro Plated
 St. Bz. Statuary Bronze Electro Plated
 Lt. Bz. Light Bronze Electro Plated
 Oak Oak Grain

M. Bz. Medium Bronze Electro Plated
 S. B. B. Sand Blast Brass Electro Plated
 A. S. B. B. Antique Sand Blast Brass Electro Plated
 S. B. O. B. Sand Blast Oxidized Brass Electro Plated
 S. B. N. Sand Blast Nickel Electro Plated

Lacquer Bronze Finishes

L. B. A. B. Lacquer-Bronze Antique Brass
 L. B. B. B. Lacquer-Bronze Brush Brass
 L. B. O. C. Lacquer-Bronze Oxidized Copper
 L. B. N. Lacquer-Bronze Nickel
 L. B. M. B. Lacquer-Bronze Medium Bronze
 L. B. L. B. Lacquer-Bronze Light Bronze

Gray Prime Coat Finish will be furnished unless other finish is specified.

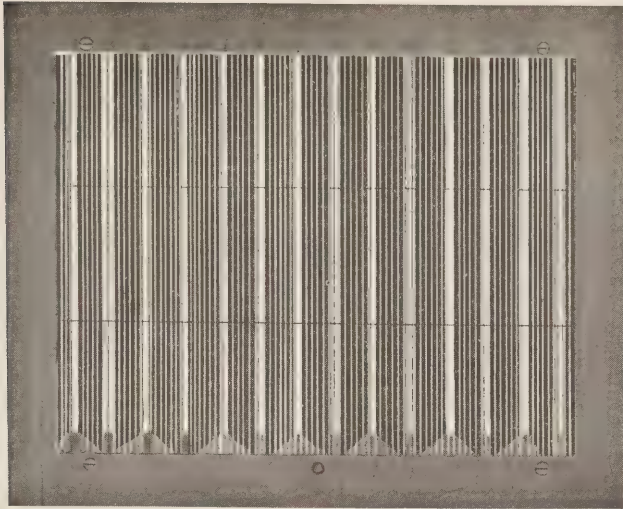
LIST PRICES OF VALVES AND FRAMES FOR U. S. AIR-CONDITIONING REGISTERS

Register Head Size, Horizontal Size First Dimension	Single Shutter Valve Complete	Style 101-F Flat Band Steel Register Frame	Style 125-S Studding Seal-Pak Register Frame	Style 125-B Studding Seal-Pak Register Frame
8 x 6	\$.80	\$.30	\$.85	\$.85
10 x 4	.75	.30	.80	.80
10 x 5	.80	.30	.85	.85
10 x 6	.85	.35	.90	.90
10 x 8	.90	.35	.95	.95
12 x 4	.80	.30	.85	.85
12 x 5	.85	.35	.90	.90
12 x 6	.90	.35	.95	.95
12 x 8	1.00	.40	1.05	1.05
12 x 9	1.05	.40	1.10	1.10
12 x 10	1.20	.50	1.30	1.30
14 x 4	.85	.35	.90	.90
14 x 5	.90	.35	.95	.95
14 x 6	1.00	.40	1.05	1.05
14 x 8	1.05	.40	1.10	1.10
14 x 10	1.35	.55	1.45	1.45
16 x 4	.85	.35	.90	.90
16 x 5	.95	.40	1.00	1.00
16 x 6	1.05	.40	1.10	1.10
16 x 8	1.20	.50	1.30	1.30
16 x 10	1.45	.55	1.50	1.50
18 x 4	.90	.35	.95	.95
18 x 5	1.00	.40	1.05	1.05
18 x 6	1.15	.45	1.20	1.20
18 x 8	1.35	.55	1.45	1.45
18 x 10	1.55	.60	1.65	1.65
20 x 4	1.00	.40	1.05	1.05
20 x 5	1.05	.40	1.10	1.10
20 x 6	1.30	.50	1.35	1.35
20 x 8	1.50	.60	1.60	1.60
20 x 10	1.65	.65	1.75	1.75
22 x 4	1.05	.40	1.10	1.10
22 x 5	1.15	.45	1.20	1.20
22 x 6	1.35	.55	1.45	1.45
22 x 8	1.60	.65	1.70	1.70
22 x 10	1.75	.70	1.85	1.85
24 x 4	1.15	.45	1.20	1.20
24 x 5	1.20	.50	1.30	1.30
24 x 6	1.45	.55	1.50	1.50
24 x 8	1.65	.65	1.75	1.75
24 x 10	1.80	.70	1.90	1.90
26 x 4	1.20	.50	1.30	1.30
26 x 5	1.30	.50	1.35	1.35
26 x 6	1.50	.60	1.60	1.60
26 x 8	1.80	.70	1.90	1.90
26 x 10	1.95	.80	2.10	2.10
28 x 4	1.30	.50	1.35	1.35
28 x 5	1.45	.55	1.50	1.50
28 x 6	1.65	.65	1.75	1.75
28 x 8	1.80	.70	1.90	1.90
28 x 10	2.10	.85	2.25	2.25
30 x 4	1.40	.55	1.50	1.50
30 x 5	1.50	.60	1.60	1.60
30 x 6	1.75	.70	1.85	1.85
30 x 8	1.95	.80	2.10	2.10
30 x 10	2.20	.85	2.30	2.30
36 x 4	1.90	.75	2.00	2.00
36 x 5	1.95	.80	2.10	2.10
36 x 6	2.05	.80	2.15	2.15
36 x 8	2.20	.85	2.30	2.30
36 x 10	2.50	1.00	2.65	2.65

To determine List Price of Register without damper or valve, deduct List Price of valve from register list price.

To determine List Price of Register without frame deduct List Price of frame from complete registers.

U. S. GOVERNAIR (Air Controlling) REGISTERS with Directional FIN-TYPE FACES



(Patented)



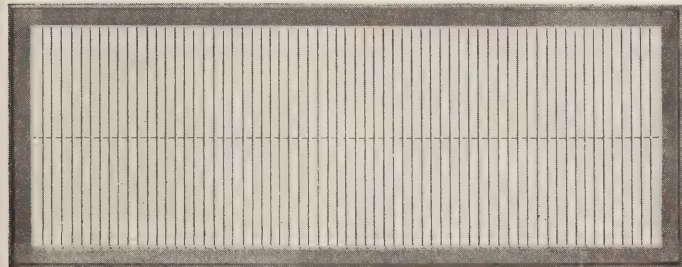
Prices quoted on above on application.

U. S. DIRECTIONAL-FLOW FIN-TYPE GRILLES — OPEN and CLOSE SPACE

(Multi-Louver or Governair Register Bodies not included with following style numbers.)

With Close Space Straight Flow Specify	No. 244
With Close Space Two-Way Flow Specify	No. 245
With Close Space Three-Way Flow Specify	No. 246
With Close Space Five-Way Flow Specify	No. 247
With Open Space Straight Flow Specify	No. 244-O
With Open Space Two-Way Flow Specify	No. 245-O
With Open Space Three-Way Flow Specify	No. 246-O
With Open Space Five-Way Flow Specify	No. 247-O

IMPORTANT NOTE:

Close Space Bars set $\frac{1}{4}$ inch apart on center of bar.Open Space Bars set $\frac{1}{2}$ inch apart on center of bar.Two-Way Diffusion is 22° . Can be furnished in 45° .Three-Way Diffusion is 22° right and left, center straight. Can also be furnished in 45° right and left.Five-Way Diffusion is center straight, 22° right and left, and 45° right and left.

STYLE 221-O — Open Space, Straight Flow.

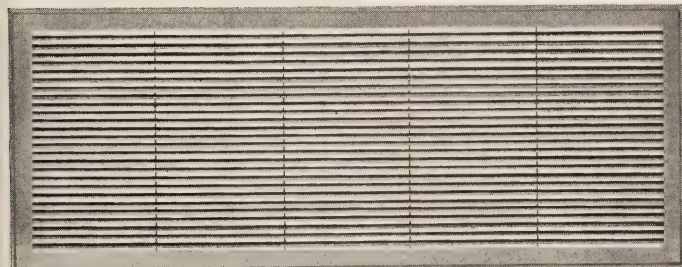
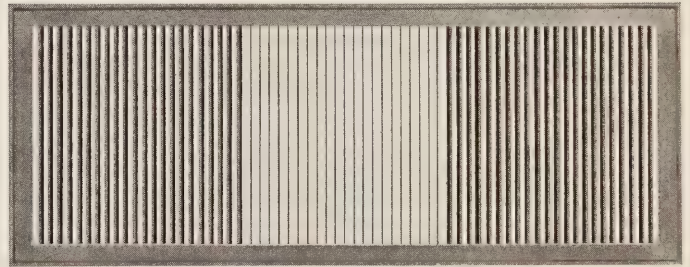
STYLE 221 — Close Space, Straight Flow.

If One-Way Flow right or left is required specify direction and number, i. e. Style 221 Left Flow or Right Flow.



STYLE 219-O — Open Space, Straight Flow.

STYLE 219 — Close Space, Straight Flow.

STYLE 220-O — Open Space, 22° or 45° Down Flow.STYLE 220 — Close Space, 22° or 45° Down Flow.STYLE 222-O — Open Space, Two-Way Flow, 22° or 45° .

STYLE 223-O — Open Space, Three-Way Flow.

STYLE 224-O — Open Space, Five-Way Flow.

STYLE 222 — Close Space, Two-Way Flow, 22° or 45° .

STYLE 223 — Close Space, Three-Way Flow.

STYLE 224 — Close Space, Five-Way Flow.

Any style on this page can be furnished on U. S. GOVERNAIR REGISTERS, also Hand and Key Operated Registers. Grilles on this page furnished with Bevelled Edge Borders unless ordered with Flat Borders.

Prices quoted on application.

METHOD FOR COMPUTING LIST PRICES OF SPECIAL SIZES, FINISHES AND STYLES OF U. S. AIR-CONDITIONING REGISTERS, FACES (and/or Grilles) AND COMPONENT PARTS

No. 1 Section. Basic List Prices of Plain Unfinished Faces (or Grilles).

WIDTH, INCHES	LENGTH, INCHES													
	8	9 10	11 12	13 14	15 16	17 18	19 20	21 22	23 24	25 26	27 28	29 30	31 32	33 34
4	.95	1.00	1.05	1.10	1.15	1.20	1.30	1.40	1.50	1.60	1.70	1.85	2.20	2.35
5	1.00	1.05	1.15	1.20	1.25	1.30	1.40	1.50	1.60	1.70	1.90	2.00	2.40	2.50
6	1.05	1.10	1.20	1.30	1.40	1.50	1.70	1.80	1.90	2.00	2.20	2.30	2.50	2.60
7-8	1.20	1.20	1.30	1.40	1.60	1.80	2.00	2.10	2.20	2.40	2.40	2.60	2.70	2.80
9		1.30	1.40	1.60	1.80	2.00	2.10	2.20	2.30	2.50	2.60	2.80	2.90	3.00
10		1.40	1.60	1.80	1.90	2.05	2.20	2.30	2.40	2.60	2.80	2.90	3.00	3.20
11-12			1.80	1.90	2.10	2.15	2.30	2.50	2.60	2.80	3.00	3.10	3.30	3.50
13-14				2.10	2.15	2.20	2.50	2.60	2.80	3.00	3.20	3.30	4.20	4.40
15-16					2.30	2.50	2.80	3.00	3.20	3.40	4.00	4.30	4.50	4.80
17-18						2.80	3.00	3.20	3.90	4.20	4.40	4.70	5.00	5.20
19-20							3.20	4.00	4.00	4.50	4.80	5.00	5.30	5.60
21-22								4.30	4.60	4.80	5.20	5.50	5.70	6.00
23-24									5.00	5.20	5.50	5.80	6.20	6.50
25-26										5.50	5.90	6.20	8.20	8.70
27-28											6.40	8.30	8.80	9.20
29-30												8.60	9.20	9.70
31-32													9.70	10.20
33-34														11.00

WIDTH, INCHES	LENGTH, INCHES													
	35 36	37 38	39 40	41 42	43 44	45 46	47 48	49 50	51 52	53 54	55 56	57 58	59 60	
4	2.50	2.60	2.70	2.80	2.90	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.80	
5	2.60	2.75	2.90	3.00	3.00	3.10	3.20	3.40	3.50	3.60	3.70	3.80	4.00	
6	2.70	2.80	3.00	3.10	3.20	3.30	3.40	3.50	3.70	3.80	4.00	4.00	4.30	
7-8	2.90	3.00	3.20	3.30	3.50	3.60	3.70	3.90	4.00	4.40	4.80	5.00	5.30	
9	3.10	3.30	3.50	3.60	4.00	4.20	4.40	4.60	4.70	4.90	5.20	5.40	5.60	
10	3.30	3.50	3.60	4.00	4.40	4.50	4.80	5.00	5.10	5.30	5.50	5.80	6.00	
11-12	4.20	4.40	4.50	4.70	5.00	5.20	5.30	5.50	5.70	6.00	6.20	6.50	6.80	
13-14	4.60	4.80	5.00	5.30	5.50	5.60	5.80	6.00	6.30	6.50	6.70	7.00	7.30	
15-16	5.00	5.25	5.50	5.70	5.90	6.20	6.40	6.70	7.00	8.80	9.00	9.50	10.00	
17-18	5.50	5.70	6.00	6.20	6.50	6.70	8.70	9.00	9.30	9.60	10.00	10.30	10.60	
19-20	5.80	6.20	6.40	6.70	8.70	9.00	9.50	10.00	10.50	11.00	11.00	11.50	12.00	
21-22	6.40	8.40	8.80	9.20	9.50	10.00	10.50	10.70	11.00	11.50	12.00	13.00	14.00	
23-24	8.50	9.00	9.30	9.70	10.00	10.50	11.00	11.30	13.00	13.50	14.00	14.50	15.00	
25-26	9.10	9.50	10.00	10.50	11.00	11.50	13.00	13.50	14.00	14.50	15.00	15.50	16.00	
27-28	9.60	10.00	10.50	11.00	11.50	13.20	13.70	14.20	14.70	15.30	15.80	16.50	18.50	
29-30	10.00	11.00	12.00	13.00	13.50	14.00	14.50	15.00	15.50	16.00	18.00	19.00	20.00	
31-32	11.00	12.00	13.00	13.50	14.00	14.80	15.50	16.00	18.00	19.00	20.00	21.00	22.00	
33-34	12.00	13.00	13.70	14.50	15.00	16.00	16.50	18.50	19.50	20.00	21.00	22.00	23.00	
35-36	13.00	14.00	14.50	15.00	16.00	17.00	19.00	19.50	20.00	21.00	22.00	23.00	24.00	
37-38		14.50	15.00	16.00	18.00	19.00	20.00	21.00	22.00	23.00	24.00	25.00	26.00	
39-40			16.00	18.00	19.00	20.00	21.00	22.00	23.00	24.00	25.00	26.00	27.00	

For Grilles over 60" long and not over 40" wide, use DOUBLE the list of a grille half as long.

For Grilles over 40" wide and not over 60" long, use DOUBLE the list of a grille half as wide.

For Grilles over 60" long and over 40" wide use FOUR TIMES the list of a grille half as long and half as wide.

No. 2 Section Explanation:—To determine List Price of any size, style or finish of U. S. Air-Conditioning Register Face or Grille, multiply above Base List Price of Grille (unfinished) by the following factors:

Style of U. S. Air-Conditioning Register Vent (Face or Grille)	Perforated Designs Nos. 101 to 118 Inclusive			Open-Space Fin-Type Nos. 119-0 to 144-0 Inclusive			Close-Space Fin-Type Nos. 119-144 Inclusive		
	Black Japan Prime Coat	White, Oak, Lacquer Finishes	Electro- plated Finishes*	Black Japan Prime Coat	White, Oak, Lacquer Finishes	Electro- plated Finishes*	Black Japan Prime Coat	White, Oak, Lacquer Finishes	Electro- plated Finishes*
2-Piece Sidewall or 2-Piece Baseboard Register	2.7	2.85	3.55	2.95	3.1	3.8	3.9	4.05	4.75
1-Piece Sidewall Register	2.2	2.35	3.05	2.45	2.6	3.3	3.4	3.55	4.25
1-Piece Baseboard Register	2.5	2.65	3.35	2.75	2.9	3.6	3.7	3.85	4.55
Return Air Intake with 7/8" Projection	1.75	1.9	2.60	2.0	2.15	2.85	2.95	3.10	3.8
Grille Only or Return Air Intake — Flat	1.15	1.3	2.00	1.4	1.55	2.25	2.35	2.50	3.2
Grille Only or Return Air Intake — Flat, with Single-Shutter Valve	1.9	2.05	2.75	2.15	2.3	3.0	3.1	3.25	3.95

*"Electroplated Finishes" includes Oxidized Copper, Nickel, Brass, Bronze, and Cadmium — not Chromium or Sand Finishes.

The list price of Chromium or Sand Finishes is equal to the list price of "Electroplated Finishes", plus the price shown in the Basic Schedule.

III PARTS

The list price of any part is determined by multiplying the price shown in the Basic Schedule by the following percentage:

1-Piece Sidewall Frame or Duct Flange....30% Valve — Single Shutter75%

2-Piece Sidewall or Baseboard Frame.....80%

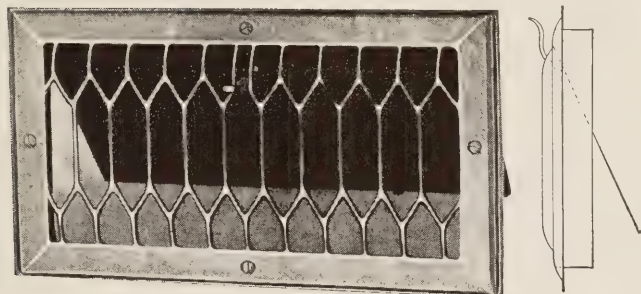
The LIST PRICE of the parts thus determined is used if the parts are sold separately or if any of the parts are omitted from or added to a standard register or grille.

NOTE:

- The list price of either the parts or the complete register or grille should be taken as the nearest even 5c — count 2½c or more as 5c and 7½c or more as 10c.

PANAMA CONVEX SIDEWALL REGISTERS

Panama Convex Sidewall Registers



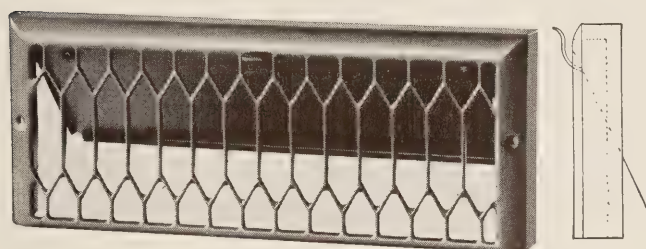
To be installed in the sidewall, at or above the breathing line. Longer sizes than above listed can be furnished special to order. Specify by dimension of wall or box opening. Prime coat finish will be furnished unless other finish is specified.

Made in narrow pinched-bar design. One piece face with angle box frame to which register is fastened with metal screws. Massed production due to popular demand has made possible the following very attractively low list prices:

List Prices Panama Air-Conditioning Sidewall Registers

Size of Opening in Inches	Black Japanned or Prime Coat	Lacquered, White and Oak	Electroplated Oxidized Copper, Brass, Bronze and Nickel	Overall Size (Width First)	Open Free Area Square Inches
10 x 6	\$1.50	\$1.80	\$2.85	11 1/4 x 7 1/2	44
12 x 6	1.70	2.00	3.30	13 1/4 x 7 1/2	54
10 x 8	1.65	2.00	3.15	11 1/4 x 9 3/4	60
12 x 8	1.90	2.30	3.65	13 1/4 x 9 3/4	71
12 x 9	2.10	2.55	4.00	13 1/4 x 10 3/4	80
12 x 10	2.40	2.90	4.40	13 1/4 x 11 3/4	89

Panama Air-Conditioning Baseboard Registers



Made of finest cold rolled steel. Narrow pinched-bars afford greatest air capacity. Each register has a box collar which attaches to wall with two long wood screws.

List Prices Panama Air-Conditioning Baseboard Register

Catalog Number	Box Size	Black Japan Prime Coat	White Japan, Oak, Lacquered	Plated Oxidized Copper, Brass, Bronze, Nickel	Overall Size (Width First)	Open Free Area Square Inches
941	4 x 14 1/4	\$2.75	\$3.30	\$3.75	15 1/4 x 5 1/4	42
942	4 x 24 1/4	3.80	4.50	5.70	25 1/4 x 5 1/4	62
943	4 x 30 1/4	4.65	5.50	7.65	31 1/4 x 5 1/4	89
1914	6 x 14 1/4	3.30	4.00	4.30	15 1/4 x 6 3/4	62
1924	6 x 24 1/4	4.80	5.75	6.80	25 1/4 x 6 3/4	107
1930	6 x 30 1/4	5.80	7.00	9.30	31 1/4 x 6 3/4	133

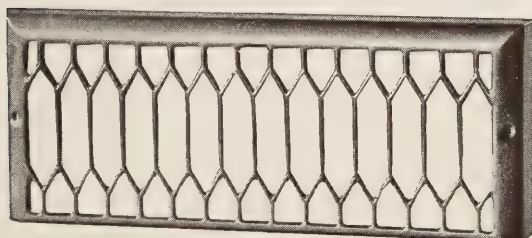
Order by Catalog Number.

When finish is not specified, prime coat paint finish will be furnished.

Deflectors open to full 90° capacity.

A departure from the old conventional patterns. Extra long sizes furnished at extra production cost.

Panama Air-Conditioning Baseboards Vents



Made of finest cold rolled steel. Made to match Panama Air-Conditioning Convex and Baseboard Registers in design.

Panama Baseboard Vents attach to the wall or baseboard with wood screws. Can be set in or against the outside of baseboard, if baseboard is sufficiently high.

List Prices Panama Air-Conditioning Baseboard Vents

Catalog Number	Box Size	Depth of Flange	Black Japan Prime Coat	Lacquered, Oak, White Japan	Electroplated Oxidized Copper, Brass, Bronze or Nickel	Overall Size (Width First)	Open Free Area Square Inches
144	4 x 14	1 1/8	\$1.00	\$1.40	\$2.00	15 1/4 x 5 1/4	42
244	4 x 24	1 1/8	1.75	2.25	3.65	25 1/4 x 5 1/4	62
340	4 x 30	1 1/8	2.15	3.00	4.60	31 1/4 x 5 1/4	89
914	6 x 14 1/4	1 1/8	1.35	1.75	2.35	15 1/4 x 6 3/4	62
924	6 x 24 1/4	1 1/8	2.10	2.60	4.00	25 1/4 x 6 3/4	107
930	6 x 30 1/4	1 1/8	2.50	3.35	4.95	31 1/4 x 6 3/4	133

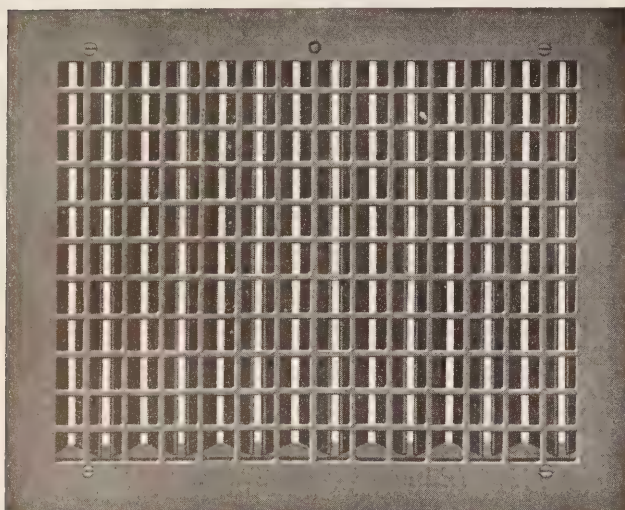
The Panama Lines of Air-Conditioning Registers and Vents are made and carried in stock in large quantities on which we can give quick service on all styles, sizes and finishes listed on this page.

A design that is very pleasing and of more capacity than the ordinary types of forced-air registers.

Unlisted sizes longer or shorter than above can be furnished at an extra production cost.

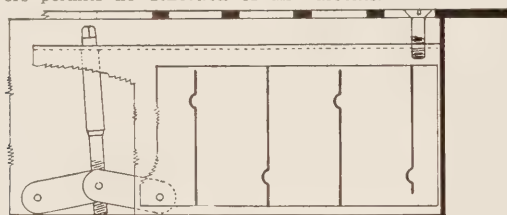
U. S. GOVERNOUR (AIR-CONTROLLING) REGISTERS

Direct Flow and Air-Controlling (Faces of Perforated Steel)
Perfect, Positive and Permanent. A New Achievement in Registers.

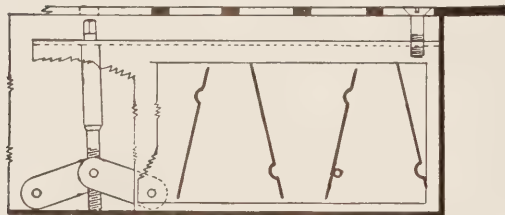


(Patented)

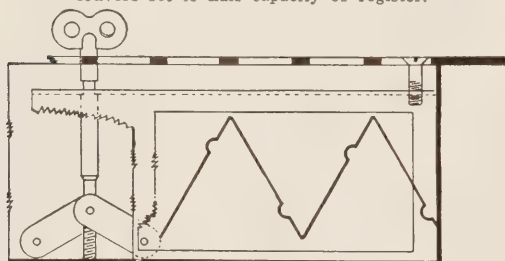
Cross-section views of governour register showing positions of louvers — Open — Half Open and Closed. The positive positioning of louvers permits no deflection of air currents.



Shows U. S. Governour Register with air-controlling louvers opened to full capacity of register.



Shows U. S. Governour Register with air-controlling louvers set to half capacity of register.



(Patented)

Shows U. S. Governour Register with air-controlling louvers closed.

All U. S. Governour Registers are key-operated and when louvers are set in desired position are held fast and permanently in that position by operative lock mechanism.
Louvers can be adjusted to any angle.

U. S. Governour Registers can also be furnished in any Plated Finishes for which prices are furnished on application.

For List Prices on Governour Registers less bodies, see page 37.

List Prices of Black Japanned, Prime Coat and Plain Finishes

Width and Height	List Price	Width and Height	List Price	Width and Height	List Price
6 x 6	\$ 4.95	24 x 6	\$17.20	32 x 10	\$30.00
8 x 6	5.00	24 x 8	17.25	32 x 12	32.50
8 x 8	5.05	24 x 10	18.25	32 x 14	33.50
		24 x 12	19.00	32 x 16	35.00
10 x 6	5.10	24 x 14	21.50	32 x 18	38.00
10 x 8	5.15	24 x 16	22.00	32 x 20	40.00
10 x 10	6.35	24 x 18	23.50	32 x 22	44.00
		24 x 20	25.00	32 x 24	46.50
12 x 6	5.60	24 x 22	31.50	32 x 26	48.00
12 x 8	5.65	24 x 24	32.00	32 x 28	55.00
12 x 9	6.00			32 x 30	56.50
12 x 10	6.40	26 x 6	17.50	32 x 32	58.00
12 x 12	8.35	26 x 8	18.00		
		26 x 10	19.00		
14 x 6	7.05	26 x 12	20.00	36 x 6	31.00
14 x 8	7.10	26 x 14	23.00	36 x 8	31.50
14 x 10	7.25	26 x 16	24.00	36 x 10	34.75
14 x 12	8.85	26 x 18	25.00	36 x 12	35.75
14 x 14	9.90	26 x 20	26.00	36 x 15	38.50
		26 x 22	33.00	36 x 16	39.00
16 x 6	8.70	26 x 24	34.00	36 x 18	40.00
16 x 8	8.75	26 x 26	39.00	36 x 20	45.00
16 x 10	9.20			36 x 22	49.50
16 x 12	10.25	28 x 6	19.50	36 x 24	52.00
16 x 14	10.50	28 x 8	20.00	36 x 26	58.00
16 x 16	13.00	28 x 10	21.00	36 x 28	66.00
		28 x 12	24.50	36 x 30	69.50
18 x 6	11.35	28 x 14	25.00	36 x 32	75.00
18 x 8	11.40	28 x 15	26.00	36 x 34	78.50
18 x 10	12.00	28 x 16	26.60	36 x 36	82.00
18 x 12	13.00	28 x 18	30.90		
18 x 14	14.00	28 x 20	33.40	40 x 8	36.00
18 x 16	15.00	28 x 22	35.90	40 x 10	45.00
18 x 18	20.50	28 x 24	37.60	40 x 12	54.00
		28 x 26	41.00		
20 x 6	11.65	28 x 28	46.00		
20 x 8	11.70			42 x 8	37.80
20 x 10	14.00	30 x 6	21.00	42 x 10	47.25
20 x 12	14.20	30 x 8	21.50	42 x 12	56.70
20 x 14	16.00	30 x 10	27.50		
20 x 16	17.00	30 x 12	28.00	48 x 8	43.20
20 x 18	21.50	30 x 14	30.00	48 x 10	54.00
20 x 20	21.75	30 x 16	31.50	48 x 12	64.80
		30 x 18	33.25	48 x 18	97.20
22 x 6	12.10	30 x 20	35.50	48 x 24	129.60
22 x 8	12.35	30 x 22	38.00		
22 x 10	16.00	30 x 24	40.00	60 x 8	54.00
22 x 12	16.50	30 x 26	45.00	60 x 10	67.50
22 x 14	18.00	30 x 28	50.50	60 x 12	81.00
22 x 16	18.75	30 x 30	51.00	60 x 14	94.50
22 x 18	23.00			60 x 20	135.00
22 x 20	24.00	32 x 6	23.00	60 x 24	162.00
22 x 22	30.50	32 x 8	24.00	60 x 30	202.50

To ascertain volume in C. F. M. multiply the actual opening of register face by the velocity of the air per minute in feet. This is based on $\frac{3}{4}$ in. square mesh design. U. S. Governour Registers are made in square lattice design and are so listed. Other special perforated designs quoted on application.

The Louvers Operate in Pairs—Toward Each Other.

U. S. Governour REGISTERS are designed for Balanced AIR-CONDITIONED Installations where Positive Control and Straight Flow of Air is required.

Fronts or Faces are made of Heavy Gauge Perforated Metal and in Standard Square Lattice Designs unless otherwise specified.

Prices on Solid Brass or Bronze Face Registers or Plated Finishes will be furnished on application.

Furnished also in Special Designs. See page 38.

U. S. GOVERNOR REGISTER — LESS FACES

For Installations Requiring Registers without Faces These May Be Furnished at the Following List Prices

List Prices of U. S. Governor Registers Less Faces

Width (First) and Height	List Price	Width (First) and Height	List Price	Width (First) and Height	List Price	Width (First) and Height	List Price	Width (First) and Height	List Price
6 x 6	\$3.95	18 x 14	\$11.20	24 x 22	\$25.20	30 x 10	\$22.00	36 x 15	\$30.80
8 x 6	4.00	18 x 16	12.00	24 x 24	25.60	30 x 12	22.40	36 x 16	31.20
8 x 8	4.05	18 x 18	16.40			30 x 14	24.00	36 x 18	32.00
				26 x 6	14.00	30 x 16	25.20	36 x 20	36.00
10 x 6	4.10	20 x 6	9.30	26 x 8	14.40	30 x 18	26.60	36 x 22	39.60
10 x 8	4.15	20 x 8	9.35	26 x 10	15.20	30 x 20	28.40	36 x 24	41.60
10 x 10	4.80	20 x 10	11.20	26 x 12	16.00	30 x 22	30.40	36 x 26	46.40
		20 x 12	11.35	26 x 14	18.40	30 x 24	32.00	36 x 28	52.80
12 x 6	4.50	20 x 14	12.80	26 x 16	19.20	30 x 26	36.00	36 x 30	55.60
12 x 8	4.55	20 x 16	13.60	26 x 18	20.00	30 x 28	40.40	36 x 32	60.00
12 x 9	4.80	20 x 18	17.20	26 x 20	20.80	30 x 30	40.80	36 x 34	62.80
12 x 10	5.10	20 x 20	17.40	26 x 22	26.40			36 x 36	65.60
12 x 12	6.70			26 x 24	27.20	32 x 6	18.40		
		22 x 6	9.70	26 x 26	31.20	32 x 8	19.20	40 x 8	28.80
14 x 6	5.65	22 x 8	9.90			32 x 10	24.00	40 x 10	36.00
14 x 8	5.70	22 x 10	12.80	28 x 6	15.60	32 x 12	26.00	40 x 12	43.20
14 x 10	5.80	22 x 12	13.20	28 x 8	16.00	32 x 14	26.80		
14 x 12	7.10	22 x 14	14.40	28 x 10	16.80	32 x 16	28.00	42 x 8	30.25
14 x 14	8.50	22 x 16	15.00	28 x 12	18.80	32 x 18	30.40	42 x 10	37.80
		22 x 18	18.40	28 x 14	20.00	32 x 20	32.00	42 x 12	45.35
16 x 6	7.90	22 x 20	19.20	28 x 15	20.80	32 x 22	35.20		
16 x 8	6.95	22 x 22	24.40	28 x 16	21.30	32 x 24	37.20	48 x 8	34.55
16 x 10	7.00			28 x 18	24.70	32 x 26	38.40	48 x 10	43.20
16 x 12	8.20	24 x 6	13.75	28 x 20	26.70	32 x 28	44.00	48 x 12	51.85
16 x 14	8.40	24 x 8	13.80	28 x 22	28.70	32 x 30	45.20	48 x 18	77.75
16 x 16	10.40	24 x 10	14.20	28 x 24	30.10	32 x 32	46.40	48 x 24	103.70
		24 x 12	15.20	28 x 26	32.80				
18 x 6	9.10	24 x 14	17.20	28 x 28	36.80	36 x 6	24.80	60 x 12	43.20
18 x 8	9.15	24 x 16	17.60			36 x 8	25.20	60 x 20	108.00
18 x 10	9.60	24 x 18	18.80	30 x 6	16.80	36 x 10	27.80	60 x 24	129.60
18 x 12	10.40	24 x 20	20.00	30 x 8	17.20	36 x 12	28.60	60 x 30	162.00

For U. S. Governor Registers with Special Grille Design Faces add to above lists Less Discounts the Net Costs of Special Design Grilles in Steel or Non-Ferrous Metals such as USCO-BRONZE, etc.

With Wire Screen Coverings for Faces, add cost of U. S. Wire Screens.

With Directional Flow Faces in open or close space designs, refer to page 33. Compute net cost of Fin-Type Directional Flow Grilles and add to cost of U. S. Governor Register Bodies.

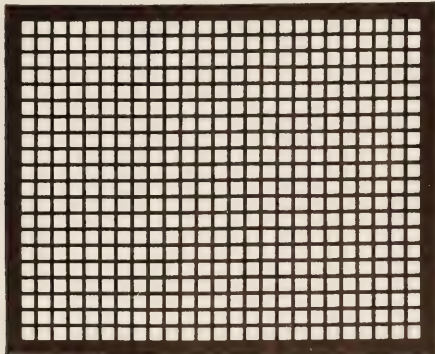
First dimension of U. S. Governor Registers represents Width—Second dimension represents Height or Length of Louvers.

U. S. GOVERNOR REGISTER DELIVER POSITIVE STRAIGHT-FLOW WITH NO SIDE DIVERGENCE and with Less Resistance than found in other comparative lines. Diffusion or Divergence can be created by use of Directional Flow or Multi-Flow Grilles.

U. S. FLAT PERFORATED METAL GRILLES

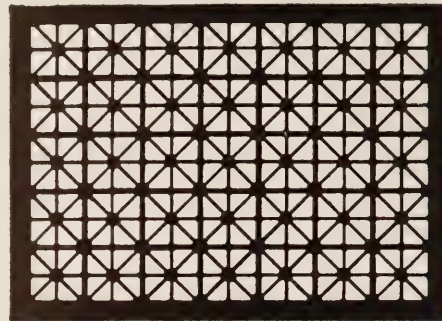
Made of Steel or of Non-Ferrous Metal Such as USCO-BRONZE, COMMERCIAL BRONZE, ALUMINUM, Etc.

Square Lattice Designs



					Maximum Thickness
					U. S. S. Ga. B. & S. Ga.
Style A:	7/8" Square Mesh	1/4" Bars	61% Free Area	No. 7	No. 5
Style AA:	13/16" Square Mesh	3/8" Bars	69% Free Area	No. 7	No. 5
Style B:	3/4" Square Mesh	1/4" Bars	57% Free Area	No. 7	No. 5
Style C:	1/2" Square Mesh	3/8" Bars	53% Free Area	No. 10	No. 5

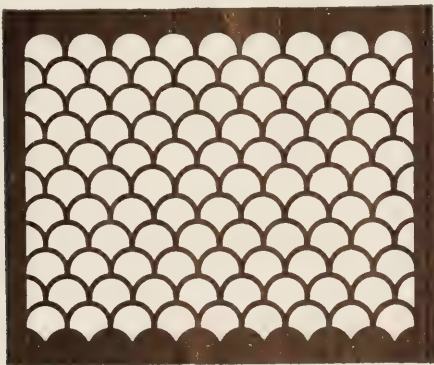
Union Jack Designs



STYLES D & E

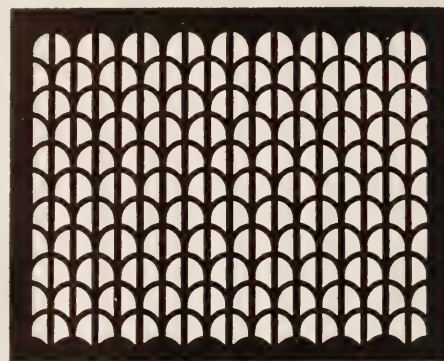
					Maximum Thickness
					U. S. S. Ga. B. & S. Ga.
Style D:	3" Basic Square		47% Free Area	No. 10	No. 7
Style E:	3 1/2" Basic Square		53% Free Area	No. 10	No. 7

Shell Design



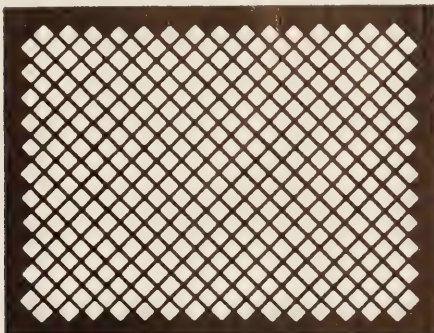
					Maximum Thickness
					U. S. S. Ga. B. & S. Ga.
Style J:	2 1/2" Wide	2 1/8" High	Free Area 69%	3/8" Bars	No. 10 No. 7

Bisected Shell Design



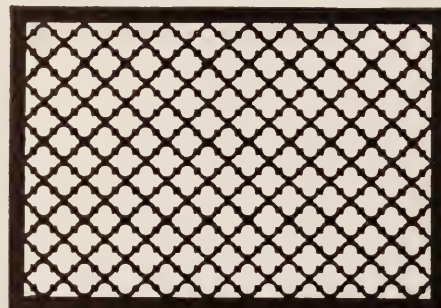
					Maximum Thickness
					U. S. S. Ga. B. & S. Ga.
Style K:	2 1/2" Wide	2" High	Free Area 54%	3/8" Bars	No. 10 No. 7

Diagonal Square Lattice Design



					Maximum Thickness
					U. S. S. Ga. B. & S. Ga.
Style F:	7/8" Diagonal Mesh	1/4" Bars	61% Free Area	No. 10	No. 7
Style FF:	13/16" Diagonal Mesh	3/8" Bars	69% Free Area	No. 10	No. 7
Style G:	3/4" Diagonal Mesh	1/4" Bars	57% Free Area	No. 10	No. 7
Style H:	1/2" Diagonal Mesh	3/8" Bars	53% Free Area	No. 7	No. 5

Gothic Design



					Maximum Thickness
					U. S. S. Ga. B. & S. Ga.
Style Q:	1 1/2" x 1 3/4" Mesh	Unit Size 2" Wide	2 1/8" High		No. 10 No. 7
			Free Area 72%		

SILL GRILLES—STYLE M

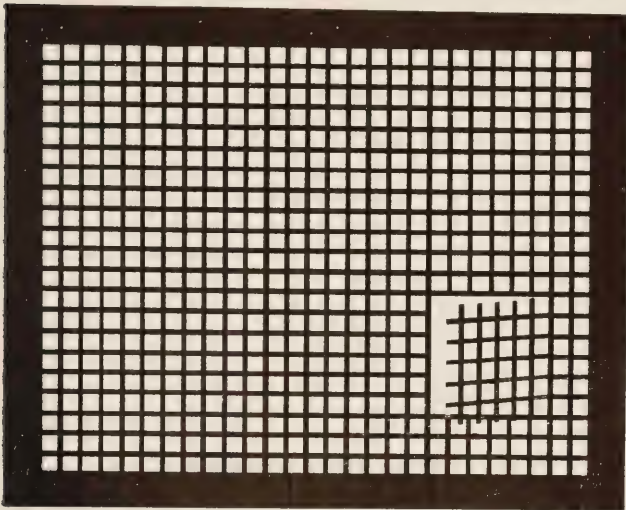


Standard Size of Perforations 1 1/2" long—13/64" wide—1/8" Bars.
Specify Overall Size, Duct Size, Style, Gauge and Finish when Ordering

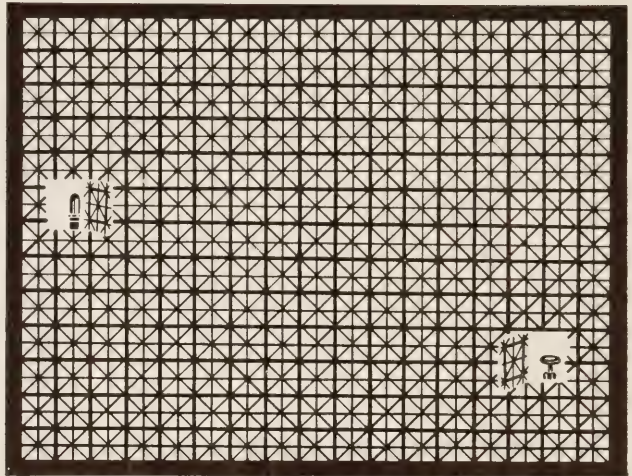
			Maximum Thickness
			U. S. S. Ga. B. & S. Ga.
			No. 10 No. 7

U. S. FLAT PERFORATED METAL GRILLES WITH INVISIBLE HAND DOORS

Workmanship is So Perfect that the Joint between Hand Door and Grille is Barely Visible. Specify Size and Location

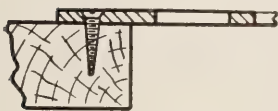


Grille with One Hand Door



Grille with Two Hand Doors for Valve and Air Vent

Various Methods of Installing Perforated Metal Grilles



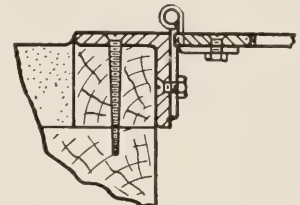
Method No. 1
Grille attached to woodwork and overlapping opening.



Method No. 2
Grille attached to marble with Z-clips. No drilling of marble required.



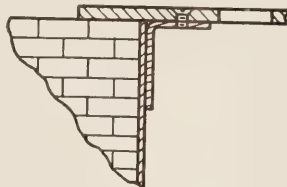
Method No. 3
Similar to method No. 1, except grille is set flush in rabbeted woodwork.



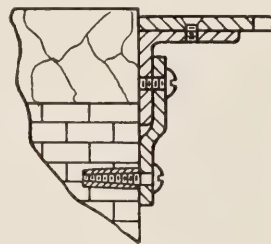
Method No. 4
Grille hinged to angle frame which is attached with screws through face of angle to wood ground.



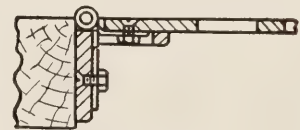
Method No. 5
Grille set in outside angle frame by being attached to clips which are placed under heads of screws that hold frame in place.



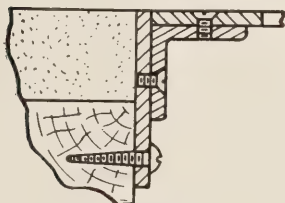
Method No. 6
Grille attached to steel band frame. Band frame extends into duct.



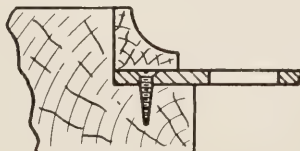
Method No. 7
Grille screwed to inside angle frame, which is held in place by clips which fasten into masonry.



Method No. 8
Grille hinged to inside angle frame. Inside leg of angle screwed to woodwork.



Method No. 9
Grille attached to band frame. Flush with surface. Grille can be removed without interfering with plaster.



Method No. 10
Grille secured by moulding. This installation gives a panel effect.

Specification Data on Grilles

Metal—Whether of Steel, USCO Bronze, etc.

Design—Designate by style number.

Gauge—Steel, use U. S. Standard. USCO Bronze or non-ferrous metal use B. & S. Ga.

Dimension—State extreme and duct sizes.

Finish—State finish or color desired on steel. If non-ferrous, state if polished and lacquered or natural.

When ordering angle iron frames, state size of frame and by which of above methods the angle frames are to be installed. $1 \times 1 \times \frac{1}{8}$ angle frames will be furnished unless ordered otherwise. Describe carefully construction of angle frame when equipped with angle stops.

FREE-AIR OPENING TABLE OF SQUARE LATTICE PERFORATED GRILLES

Designs AA-A-B-C

No. of Openings	STYLE AA 69% Opening 5/8-inch Mesh, 3/4-inch Bars Length of D.L. Opening in Inches	STYLE A 61% Opening 7/8-inch Mesh, 1/2-inch Bars Length of D.L. Opening in Inches	STYLE B 57% Opening 3/4-inch Mesh, 1/2-inch Bars Length of D.L. Opening in Inches	STYLE C 53% Opening 1/2-inch Mesh, 3/8-inch Bars Length of D.L. Opening in Inches	No. of Openings	STYLE AA 69% Opening 5/8-inch Mesh, 3/4-inch Bars Length of D.L. Opening in Inches	STYLE A 61% Opening 7/8-inch Mesh, 1/2-inch Bars Length of D.L. Opening in Inches	STYLE B 57% Opening 3/4-inch Mesh, 1/2-inch Bars Length of D.L. Opening in Inches	STYLE C 53% Opening 1/2-inch Mesh, 3/8-inch Bars Length of D.L. Opening in Inches
1	13/16	7/8	3/4	1/2	55	54 13/16	61 5/8	54 3/4	37 5/8
2	1 13/16	2	1 3/4	1 3/8	56	55 13/16	62 3/4	55 3/4	38 5/16
3	2 13/16	3 1/8	2 3/4	1 7/8	57	56 13/16	63 7/8	56 3/4	39
4	3 13/16	4 1/4	3 3/4	2 9/16	58	57 13/16	65	57 3/4	39 11/16
5	4 13/16	5 3/8	4 3/4	3 1/4	59	58 13/16	66 1/8	58 3/4	40 3/8
6	5 13/16	6 1/2	5 3/4	3 5/8	60	59 13/16	67 1/4	59 3/4	41 1/16
7	6 13/16	7 5/8	6 3/4	4 5/8	61	60 13/16	68 3/8	60 3/4	41 3/4
8	7 13/16	8 3/4	7 3/4	5 5/8	62	61 13/16	69 1/2	61 3/4	42 7/16
9	8 13/16	9 7/8	8 3/4	6	63	62 13/16	70 3/8	62 3/4	43 1/8
10	9 13/16	11	9 3/4	6 1/8	64	63 13/16	71 3/4	63 3/4	43 13/16
11	10 13/16	12 1/8	10 3/4	7 3/8	65	64 13/16	72 7/8	64 3/4	44 1/2
12	11 13/16	13 1/4	11 3/4	8 1/8	66	65 13/16	74	65 3/4	45 3/16
13	12 13/16	14 3/8	12 3/4	8 3/4	67	66 13/16	75 1/8	66 3/4	45 7/8
14	13 13/16	15 1/2	13 3/4	9 1/8	68	67 13/16	76 1/4	67 3/4	46 9/16
15	14 13/16	16 5/8	14 3/4	10 1/8	69	68 13/16	77 3/8	68 3/4	47 1/4
16	15 13/16	17 3/4	15 3/4	10 5/8	70	69 13/16	78 1/2	69 3/4	47 15/16
17	16 13/16	18 7/8	16 3/4	11 1/2	71	70 13/16	79 5/8	70 3/4	48 5/8
18	17 13/16	20	17 3/4	12 3/16	72	71 13/16	80 3/4	71 3/4	49 5/16
19	18 13/16	21 1/8	18 3/4	12 7/8	73	72 13/16	81 7/8	72 3/4	50
20	19 13/16	22 1/4	19 3/4	13 9/16	74	73 13/16	83	73 3/4	50 11/16
21	20 13/16	23 3/8	20 3/4	14 1/4	75	74 13/16	84 1/8	74 3/4	51 3/8
22	21 13/16	24 1/2	21 3/4	14 5/8	76	75 13/16	85 1/4	75 3/4	52 1/16
23	22 13/16	25 5/8	22 3/4	15 5/8	77	76 13/16	86 3/8	76 3/4	52 3/4
24	23 13/16	26 3/4	23 3/4	16 5/16	78	77 13/16	87 1/2	77 3/4	53 7/16
25	24 13/16	27 7/8	24 3/4	17	79	78 13/16	88 5/8	78 3/4	54 1/8
26	25 13/16	29	25 3/4	17 11/16	80	79 13/16	89 3/4	79 3/4	54 15/16
27	26 13/16	30 1/8	26 3/4	18 3/8	81	80 13/16	90 7/8	80 3/4	55 1/2
28	27 13/16	31 1/4	27 3/4	19 1/16	82	81 13/16	92	81 3/4	56 3/16
29	28 13/16	32 3/8	28 3/4	19 3/4	83	82 13/16	93 1/8	82 3/4	56 7/8
30	29 13/16	33 1/2	29 3/4	20 7/16	84	83 13/16	94 1/8	83 3/4	57 9/16
31	30 13/16	34 5/8	30 3/4	21 1/8	85	84 13/16	95 3/8	84 3/4	58 1/4
32	31 13/16	35 3/4	31 3/4	21 5/8	86	85 13/16	96 1/2	85 3/4	58 15/16
33	32 13/16	36 7/8	32 3/4	22 1/2	87	86 13/16	97 5/8	86 3/4	59 5/8
34	33 13/16	38	33 3/4	23 3/16	88	87 13/16	98 3/4	87 3/4	60 5/16
35	34 13/16	39 1/8	34 3/4	23 7/8	89	88 13/16	99 7/8	88 3/4	61
36	35 13/16	40 1/4	35 3/4	24 9/16	90	89 13/16	101	89 3/4	61 11/16
37	36 13/16	41 3/8	36 3/4	25 1/4	91	90 13/16	102 1/8	90 3/4	62 3/8
38	37 13/16	42 1/2	37 3/4	25 5/8	92	91 13/16	103 1/4	91 3/4	63 1/16
39	38 13/16	43 5/8	38 3/4	26 5/8	93	92 13/16	104 3/8	92 3/4	63 3/4
40	39 13/16	44 3/4	39 3/4	27 5/16	94	93 13/16	105 1/2	93 3/4	64 7/16
41	40 13/16	45 7/8	40 3/4	28	95	94 13/16	106 5/8	94 3/4	65 1/8
42	41 13/16	47	41 3/4	28 11/16	96	95 13/16	107 3/4	95 3/4	65 3/16
43	42 13/16	48 1/8	42 3/4	29 3/8	97	96 13/16	108 7/8	96 3/4	66 1/2
44	43 13/16	49 1/4	43 3/4	30 1/16	98	97 13/16	110	97 3/4	67 3/16
45	44 13/16	50 3/8	44 3/4	30 3/4	99	98 13/16	111 1/8	98 3/4	67 7/8
46	45 13/16	51 1/2	45 3/4	31 7/16	100	99 13/16	112 1/4	99 3/4	68 9/16
47	46 13/16	52 5/8	46 3/4	32 1/8	101	100 13/16	113 3/8	100 3/4	69 1/4
48	47 13/16	53 3/4	47 3/4	32 13/16	102	101 13/16	114 1/2	101 3/4	69 15/16
49	48 13/16	54 7/8	48 3/4	33 1/2	103	102 13/16	115 5/8	102 3/4	70 5/8
50	49 13/16	56	49 3/4	34 3/16	104	103 13/16	116 3/4	103 3/4	71 5/16
51	50 13/16	57 1/8	50 3/4	34 7/8	105	104 13/16	117 7/8	104 3/4	72
52	51 13/16	58 1/4	51 3/4	35 9/16	106	105 13/16	119	105 3/4	72 1/16
53	52 13/16	59 3/8	52 3/4	36 1/4	107	106 13/16	120 1/8	106 3/4	73 3/8
54	53 13/16	60 1/2	53 3/4	36 5/16	108	107 13/16	121 1/4	107 3/4	74 1/16

The table on this page is very convenient when determining the border width or extreme size of grille required with given daylight or duct size.

FREE AIR OPENING TABLES OF STYLES D AND E (Union Jack) DESIGNS

STYLES F— $\frac{7}{8}$ " Diagonal Square Mesh $\frac{1}{4}$ " Bars: H— $\frac{1}{2}$ " Diagonal Square Mesh $\frac{3}{16}$ " Bars.

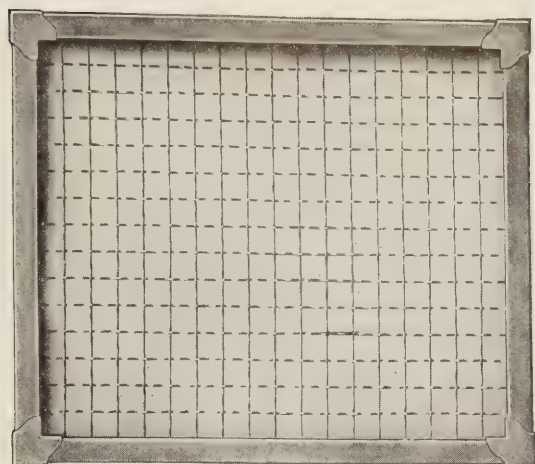
Design D—3-inch Basic Square $\frac{5}{16}$ Bars—47 % Free Opening Length of Daylight Opening				Design E—3 $\frac{1}{2}$ -inch Basic Square $\frac{5}{16}$ Bars—52 % Free Opening Length of Daylight Opening			Style F, $\frac{7}{8}$ " Diagonal Sq. Mesh $\frac{1}{4}$ " Bars		Style H $\frac{1}{2}$ " Diagonal Sq. Mesh $\frac{3}{16}$ " Bars	
No. of Basic Squares	$\frac{5}{16}$ -Inch	$\frac{3}{8}$ -Inch	$\frac{1}{2}$ -Inch	$\frac{5}{16}$ -Inch	$\frac{3}{8}$ -Inch	$\frac{1}{2}$ -Inch	No. of Holes	Length of D.L. Opening in Inches	No. of Holes	Length of D.L. Opening in Inches
1	3	3	3	3 $\frac{1}{2}$	3 $\frac{1}{2}$	3 $\frac{1}{2}$	3	2 $\frac{3}{4}$	3	1 $\frac{5}{8}$
2	6 $\frac{5}{16}$	6 $\frac{3}{8}$	6 $\frac{7}{16}$	7 $\frac{5}{16}$	7 $\frac{3}{8}$	7 $\frac{7}{16}$	5	4 $\frac{3}{8}$	5	2 $\frac{13}{32}$
3	9 $\frac{5}{8}$	9 $\frac{3}{4}$	9 $\frac{7}{8}$	11 $\frac{1}{8}$	11 $\frac{1}{4}$	11 $\frac{3}{8}$	7	6	7	3 $\frac{9}{16}$
4	12 $\frac{15}{16}$	13 $\frac{1}{8}$	13 $\frac{5}{16}$	14 $\frac{15}{16}$	15 $\frac{1}{8}$	15 $\frac{5}{16}$	9	7 $\frac{5}{8}$	9	4 $\frac{11}{32}$
5	16 $\frac{1}{4}$	16 $\frac{1}{2}$	16 $\frac{3}{4}$	18 $\frac{3}{4}$	19	19 $\frac{1}{4}$	11	9 $\frac{1}{4}$	11	5 $\frac{1}{2}$
6	19 $\frac{9}{16}$	19 $\frac{7}{8}$	20 $\frac{3}{16}$	22 $\frac{9}{16}$	22 $\frac{7}{8}$	23 $\frac{3}{16}$	13	10 $\frac{7}{8}$	13	6 $\frac{13}{32}$
7	22 $\frac{7}{8}$	23 $\frac{1}{4}$	23 $\frac{5}{8}$	26 $\frac{3}{8}$	26 $\frac{3}{4}$	27 $\frac{1}{8}$	15	12 $\frac{1}{2}$	15	7 $\frac{7}{16}$
8	26 $\frac{3}{16}$	26 $\frac{5}{8}$	27 $\frac{1}{16}$	30 $\frac{3}{16}$	30 $\frac{5}{8}$	31 $\frac{1}{16}$	17	14 $\frac{1}{8}$	17	8 $\frac{13}{32}$
9	29 $\frac{1}{2}$	30	30 $\frac{1}{2}$	34	34 $\frac{1}{2}$	35	19	15 $\frac{3}{4}$	19	9 $\frac{3}{8}$
10	32 $\frac{13}{16}$	33 $\frac{3}{8}$	33 $\frac{15}{16}$	37 $\frac{13}{16}$	38 $\frac{3}{8}$	38 $\frac{15}{16}$	21	17 $\frac{3}{8}$	21	10 $\frac{11}{32}$
11	36 $\frac{1}{8}$	36 $\frac{3}{4}$	37 $\frac{3}{8}$	41 $\frac{5}{8}$	42 $\frac{1}{4}$	42 $\frac{7}{8}$	23	19	23	11 $\frac{5}{16}$
12	39 $\frac{7}{16}$	40 $\frac{1}{8}$	40 $\frac{15}{16}$	45 $\frac{7}{16}$	46 $\frac{1}{8}$	46 $\frac{15}{16}$	25	20 $\frac{5}{8}$	25	12 $\frac{9}{32}$
13	42 $\frac{3}{4}$	43 $\frac{1}{2}$	44 $\frac{1}{4}$	49 $\frac{1}{4}$	50	50 $\frac{3}{4}$	27	22 $\frac{1}{4}$	27	13 $\frac{1}{4}$
14	46 $\frac{1}{16}$	46 $\frac{7}{8}$	47 $\frac{1}{16}$	53 $\frac{1}{16}$	53 $\frac{7}{8}$	54 $\frac{1}{16}$	29	23 $\frac{7}{8}$	29	14 $\frac{7}{32}$
15	49 $\frac{3}{8}$	50 $\frac{1}{4}$	51 $\frac{1}{8}$	56 $\frac{7}{8}$	57 $\frac{3}{4}$	58 $\frac{5}{8}$	31	25 $\frac{1}{2}$	31	15 $\frac{3}{16}$
16	52 $\frac{1}{16}$	53 $\frac{5}{8}$	54 $\frac{9}{16}$	60 $\frac{1}{16}$	61 $\frac{5}{8}$	62 $\frac{9}{16}$	33	27 $\frac{1}{8}$	33	16 $\frac{5}{32}$
17	56	57	58	64 $\frac{1}{2}$	65 $\frac{1}{2}$	66 $\frac{1}{2}$	35	28 $\frac{3}{8}$	35	17 $\frac{1}{8}$
18	59 $\frac{5}{16}$	60 $\frac{3}{8}$	61 $\frac{7}{16}$	68 $\frac{5}{16}$	69 $\frac{3}{8}$	70 $\frac{7}{16}$	37	30 $\frac{3}{8}$	37	18 $\frac{3}{32}$
19	62 $\frac{5}{8}$	63 $\frac{3}{4}$	64 $\frac{7}{8}$	72 $\frac{1}{8}$	73 $\frac{1}{4}$	74 $\frac{3}{8}$	39	32	39	19 $\frac{1}{16}$
20	65 $\frac{15}{16}$	67 $\frac{1}{8}$	68 $\frac{5}{16}$	75 $\frac{15}{16}$	77 $\frac{1}{8}$	78 $\frac{5}{16}$	41	33 $\frac{5}{8}$	41	20 $\frac{1}{32}$
21	69 $\frac{1}{4}$	70 $\frac{1}{2}$	71 $\frac{3}{4}$	79 $\frac{3}{4}$	81	82 $\frac{1}{4}$	43	35 $\frac{1}{4}$	43	21
22	72 $\frac{9}{16}$	73 $\frac{7}{8}$	75 $\frac{3}{16}$	83 $\frac{9}{16}$	84 $\frac{7}{8}$	86 $\frac{3}{16}$	45	36 $\frac{7}{8}$	45	22
23	75 $\frac{7}{8}$	77 $\frac{1}{4}$	78 $\frac{5}{8}$	87 $\frac{3}{8}$	88 $\frac{3}{4}$	90 $\frac{1}{8}$	47	38 $\frac{1}{2}$	47	22 $\frac{15}{16}$
24	79 $\frac{3}{16}$	80 $\frac{5}{8}$	82 $\frac{1}{16}$	91 $\frac{3}{16}$	92 $\frac{5}{8}$	94 $\frac{1}{16}$	49	40 $\frac{1}{8}$	49	29 $\frac{3}{32}$
25	82 $\frac{1}{2}$	84	85 $\frac{1}{2}$	95	96 $\frac{1}{2}$	98	51	41 $\frac{3}{4}$	51	24 $\frac{7}{8}$
26	85 $\frac{15}{16}$	87 $\frac{3}{8}$	88 $\frac{15}{16}$	98 $\frac{15}{16}$	100 $\frac{3}{8}$	101 $\frac{15}{16}$	53	43 $\frac{3}{8}$	53	25 $\frac{3}{32}$
27	89 $\frac{1}{8}$	90 $\frac{3}{4}$	92 $\frac{3}{8}$	102 $\frac{5}{8}$	104 $\frac{1}{4}$	105 $\frac{7}{8}$	55	45	55	26 $\frac{15}{16}$
28	92 $\frac{7}{16}$	94 $\frac{1}{8}$	95 $\frac{15}{16}$	106 $\frac{7}{16}$	108 $\frac{1}{8}$	109 $\frac{15}{16}$	57	45 $\frac{5}{8}$	57	27 $\frac{3}{32}$
29	95 $\frac{3}{4}$	97 $\frac{1}{2}$	99 $\frac{1}{4}$	110 $\frac{1}{4}$	112	113 $\frac{3}{4}$	59	48 $\frac{1}{4}$	59	28 $\frac{3}{4}$
30	99 $\frac{1}{16}$	100 $\frac{7}{8}$	102 $\frac{1}{16}$	114 $\frac{1}{16}$	115 $\frac{7}{8}$	117 $\frac{1}{16}$	61	49 $\frac{7}{8}$	61	29 $\frac{3}{32}$
31	102 $\frac{3}{8}$	104 $\frac{1}{4}$	106 $\frac{1}{8}$	117 $\frac{7}{8}$	119 $\frac{3}{4}$	121 $\frac{5}{8}$	63	51 $\frac{1}{2}$	63	30 $\frac{1}{16}$
32	105 $\frac{11}{16}$	107 $\frac{5}{8}$	109 $\frac{9}{16}$	121 $\frac{1}{16}$	123 $\frac{5}{8}$	125 $\frac{9}{16}$	65	53 $\frac{1}{8}$	65	31 $\frac{1}{32}$
33	109	111	113	125 $\frac{1}{2}$	127 $\frac{1}{2}$	129 $\frac{1}{2}$	67	54 $\frac{3}{4}$	67	32 $\frac{5}{8}$
34	112 $\frac{5}{16}$	114 $\frac{3}{8}$	116 $\frac{7}{16}$	129 $\frac{5}{16}$	131 $\frac{3}{8}$	133 $\frac{7}{16}$	69	56 $\frac{3}{8}$	69	33 $\frac{13}{32}$
35	115 $\frac{5}{8}$	117 $\frac{3}{4}$	119 $\frac{7}{8}$	133 $\frac{1}{8}$	135 $\frac{1}{4}$	137 $\frac{3}{8}$	71	58	71	34 $\frac{9}{16}$
36	118 $\frac{15}{16}$	121 $\frac{1}{8}$	123 $\frac{5}{16}$	136 $\frac{15}{16}$	139 $\frac{1}{8}$	141 $\frac{5}{16}$	73	59 $\frac{5}{8}$	73	35 $\frac{11}{32}$

FREE AIR OPENING TABLES OF STYLES J (Shell Design) K (Bisected Shell Pattern)

STYLE J — 69% Free Opening			STYLE Q			STYLE K — 54% Free Opening		
No. of Shell Openings	Opening Sizes		No. of Unit Sizes	Opening Sizes		No of Unit Openings	Opening Sizes	
	Height in Inches	Width in Inches		Width in Inches	Height in Inches		Height in Inches	Width in Inches
1	2 $\frac{7}{16}$	2 $\frac{1}{2}$	1	2	2 $\frac{1}{8}$	1	2 $\frac{1}{16}$	2 $\frac{1}{2}$
2	6 $\frac{3}{16}$	5 $\frac{1}{2}$	3	4	4 $\frac{1}{8}$	2	5 $\frac{9}{16}$	5 $\frac{1}{2}$
3	9 $\frac{15}{16}$	8 $\frac{1}{2}$	5	6	6 $\frac{3}{8}$	3	9 $\frac{9}{16}$	8 $\frac{1}{2}$
4	13 $\frac{11}{16}$	11 $\frac{1}{2}$	7	8	8 $\frac{1}{2}$	4	13 $\frac{5}{16}$	11 $\frac{1}{2}$
5	17 $\frac{7}{16}$	14 $\frac{1}{2}$	9	10	10 $\frac{5}{8}$	5	17 $\frac{1}{16}$	14 $\frac{1}{2}$
6	21 $\frac{3}{16}$	17 $\frac{1}{2}$	11	12	12 $\frac{3}{4}$	6	20 $\frac{3}{16}$	17 $\frac{1}{2}$
7	24 $\frac{15}{16}$	20 $\frac{1}{2}$	13	14	14 $\frac{7}{8}$	7	24 $\frac{9}{16}$	20 $\frac{1}{2}$
8	28 $\frac{11}{16}$	23 $\frac{1}{2}$	15	16	17	8	28 $\frac{5}{16}$	23 $\frac{1}{2}$
9	32 $\frac{7}{16}$	26 $\frac{1}{2}$	17	18	19 $\frac{1}{8}$	9	32 $\frac{1}{16}$	26 $\frac{1}{2}$
10	36 $\frac{3}{16}$	29 $\frac{1}{2}$	19	20	21 $\frac{1}{4}$	10	35 $\frac{3}{16}$	29 $\frac{1}{2}$
11	39 $\frac{15}{16}$	32 $\frac{1}{2}$	21	22	23 $\frac{3}{8}$	11	39 $\frac{9}{16}$	32 $\frac{1}{2}$
12	43 $\frac{11}{16}$	35 $\frac{1}{2}$	23	24	25 $\frac{1}{2}$	12	43 $\frac{5}{16}$	35 $\frac{1}{2}$
13	47 $\frac{7}{16}$	38 $\frac{1}{2}$	25	26	27 $\frac{5}{8}$	13	47 $\frac{1}{16}$	38 $\frac{1}{2}$
14	51 $\frac{3}{16}$	41 $\frac{1}{2}$	27	28	29 $\frac{3}{4}$	14	50 $\frac{9}{16}$	41 $\frac{1}{2}$
15	54 $\frac{15}{16}$	44 $\frac{1}{2}$	29	30	31 $\frac{7}{8}$	15	54 $\frac{5}{16}$	44 $\frac{1}{2}$
16	58 $\frac{11}{16}$	47 $\frac{1}{2}$	31	32	34	16	58 $\frac{5}{16}$	47 $\frac{1}{2}$
17	62 $\frac{7}{16}$	50 $\frac{1}{2}$	33	34	36 $\frac{1}{8}$	17	62 $\frac{1}{16}$	50 $\frac{1}{2}$
18	66 $\frac{3}{16}$	53 $\frac{1}{2}$	35	36	38 $\frac{1}{4}$	18	65 $\frac{9}{16}$	53 $\frac{1}{2}$
19	69 $\frac{15}{16}$	56 $\frac{1}{2}$	37	38	40 $\frac{3}{8}$	19	69 $\frac{9}{16}$	56 $\frac{1}{2}$
20	73 $\frac{11}{16}$	59 $\frac{1}{2}$	39	40	42 $\frac{1}{2}$	20	73 $\frac{5}{16}$	59 $\frac{1}{2}$
21	77 $\frac{7}{16}$	62 $\frac{1}{2}$	41	42	44 $\frac{5}{8}$	21	77 $\frac{1}{16}$	62 $\frac{1}{2}$
22	81 $\frac{3}{16}$	65 $\frac{1}{2}$	43	44	46 $\frac{3}{4}$	22	80 $\frac{9}{16}$	65 $\frac{1}{2}$
23	84 $\frac{15}{16}$	68 $\frac{1}{2}$	45	46	48 $\frac{7}{8}$	23	84 $\frac{9}{16}$	68 $\frac{1}{2}$
24	88 $\frac{11}{16}$	71 $\frac{1}{2}$	47	48	51	24	88 $\frac{5}{16}$	71 $\frac{1}{2}$
25	92 $\frac{7}{16}$	74 $\frac{1}{2}$	49	50	53 $\frac{1}{8}$	25	92 $\frac{1}{16}$	74 $\frac{1}{2}$
26	96 $\frac{3}{16}$	77 $\frac{1}{2}$	51	52	55 $\frac{1}{4}$	26	95 $\frac{3}{16}$	77 $\frac{1}{2}$
27	99 $\frac{15}{16}$	80 $\frac{1}{2}$	53	54	57 $\frac{3}{8}$	27	99 $\frac{9}{16}$	80 $\frac{1}{2}$
28	103 $\frac{11}{16}$	83 $\frac{1}{2}$	55	56	59 $\frac{1}{2}$	28	103 $\frac{5}{16}$	83 $\frac{1}{2}$
29	107 $\frac{7}{16}$	86 $\frac{1}{2}$	57	58	61 $\frac{5}{8}$	29	107 $\frac{1}{16}$	86 $\frac{1}{2}$
30	111 $\frac{3}{16}$	89 $\frac{1}{2}$	59	60	63 $\frac{3}{4}$	30	110 $\frac{9}{16}$	89 $\frac{1}{2}$
31	114 $\frac{15}{16}$	92 $\frac{1}{2}$	61	62	65 $\frac{7}{8}$	31	114 $\frac{9}{16}$	92 $\frac{1}{2}$
32	118 $\frac{11}{16}$	95 $\frac{1}{2}$	63	64	68	32	118 $\frac{5}{16}$	95 $\frac{1}{2}$
33	122 $\frac{7}{16}$	98 $\frac{1}{2}$	65	66	70 $\frac{1}{8}$	33	122 $\frac{1}{16}$	98 $\frac{1}{2}$
34	126 $\frac{3}{16}$	101 $\frac{1}{2}$	67	68	72 $\frac{1}{4}$	34	125 $\frac{3}{16}$	101 $\frac{1}{2}$

U. S. WIRE SCREENS — ANGLE AND CHANNEL IRON FRAMES

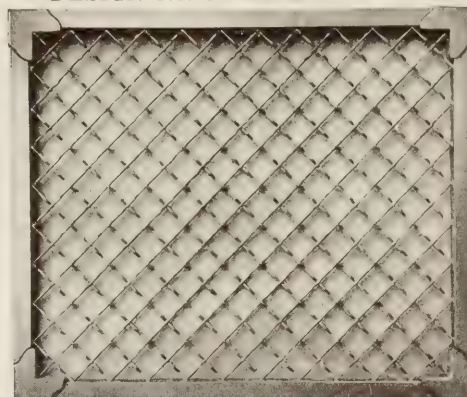
DESIGN No. 62—ANGLE FRAME



U. S. Wire Screen.

Design No. 58—Channel Frame
Otherwise exactly same as No. 62

DESIGN No. 61—ANGLE FRAME



U. S. Wire Screen.

Design No. 59—Channel Frame
Otherwise same as No. 61

LIST PRICES DESIGNS No. 62, 61, 58, 59

Size of Mesh in Inches	Gauge of Wire in Inches	Size of Frame in Inches	List per Square Foot		
			Black	Oxidized Copper	Other Plated Finishes except Chrome
2	No. 10	1 x 1	\$.80	\$1.20	\$1.50
1½	No. 11	1 x 1	.90	1.40	1.75
1¼	No. 12	1 x 1	1.00	1.60	2.00
1	No. 13	1 x 1	1.10	1.75	2.50
¾	No. 14	1 x 1	1.20	1.90	3.00

Wire Screens under three square feet are listed as three square feet.

Designs Nos. 58 and 59 with Channel Frames take same list as Nos. 61 and 62.

Nos. 62, 61, 58, 59 regularly made with round wire. Can also be furnished in flat wire if so ordered.

IMPORTANT—Specify Screens by duct sizes.

1"x1" Angle Frames are Regular.

1¼" x 1¼" Angle Frames take an extra 5c per lineal foot.

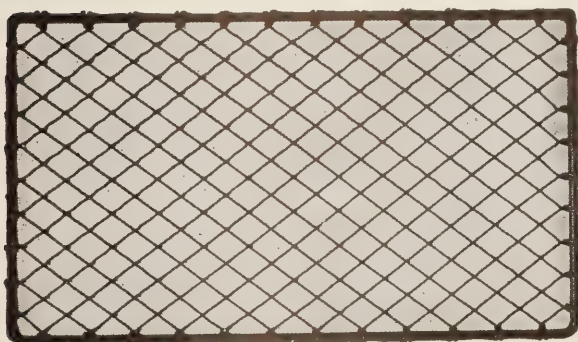
1½" x 1½" Angle Frames take an extra 8c per lineal foot.

Angle Frames have ornamental iron corners.

For Welded Angle Frame add 60c net per screen.

Designate size and location of screw holes and if countersunk or straight drilled.

Design No. 49 Window Guards



Order by Extreme Outside Size.

Specify Mesh, Gauge of wire and size of round iron frame.

LIST PRICES DESIGN No. 49

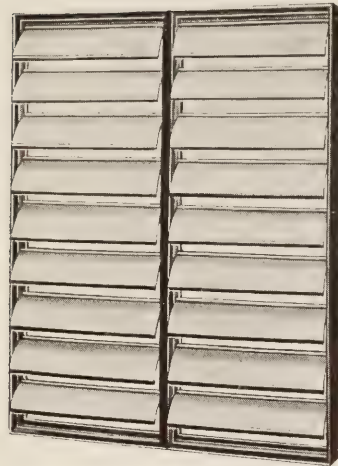
Size of Mesh in Inches	Gauge of Wire	Size of Round Iron Frame in Inches	List per Square Foot	
			Black	Galvanized
1½	No. 10	¼, ⅝, ⅜ or ½	\$.50	\$.55
1½	No. 12	¼, ⅝, ⅜ or ½	.45	.50
1¼	No. 14	¼, ⅝, ⅜ or ½	.50	.55

Screens of less than 3 square feet, take list of 3 square feet.

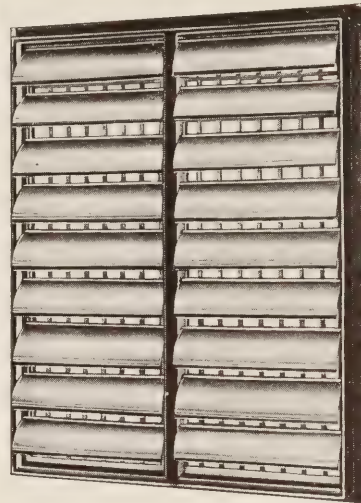
All screens with round frames are in black unless otherwise specified. Some delay must be allowed on galvanized screens.

If U. S. Wire Screens Nos. 61 and 62 are to be used with U. S. Aluminum Back Pressure Dampers, designate when ordering if the screens should be attached to Aluminum Back Pressure Dampers or shipped separate.

U. S. ALUMINUM BACK PRESSURE DAMPERS



Cut 1



Cut 2

Cut 1 shows rear view of U. S. Aluminum Back Pressure Damper.

Can be attached to or used with U. S. Steel Grilles, Steel Faces or Wire Screens. Damper louvers are die-cut from light, strong aluminum. Always specify by size of duct or opening in which the damper frame fits. The frames are built to fit flush or inside of the duct opening.

Cut 2 shows U. S. Back Pressure Damper attached to U. S. Steel Grille.

Perfect, smooth operation and no clatter is assured by fiber spacing washers at ends of louvers.

Noiseless movement of louvers is assured by louvers being tipped with deadening felt. Frames are die-stamped, double thickness, covering ends of louver rods.

When ordering Aluminum Back Pressure Dampers the first dimension represents width of wall or duct opening and the second dimension represents the height.

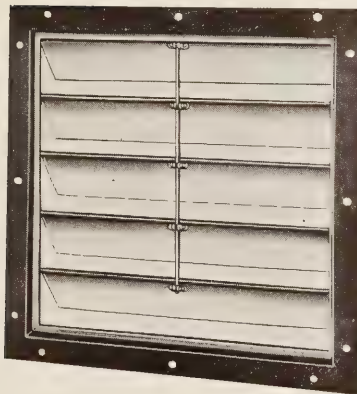
To be safe — specify which dimension is width and which dimension is height, i. e., 20 inches wide by 30 inches high.

LIST PRICES

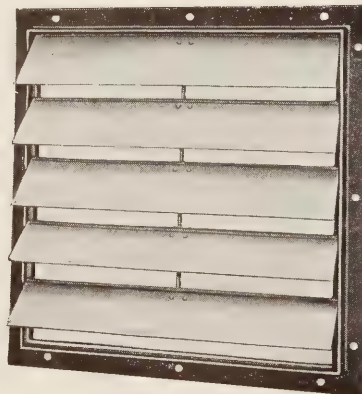
Duct Size	Amt.	Duct Size	Amt.	Duct Size	Amt.
8 x 8	\$5.50	16 x 16	\$13.20	24 x 24	\$25.36
8 x 10	5.80	16 x 18	14.55	24 x 26	27.33
8 x 12	6.60	16 x 20	15.65	24 x 28	28.67
8 x 14	6.93	16 x 22	17.00	24 x 30	31.68
8 x 16	7.20	16 x 24	18.96	24 x 32	33.67
8 x 18	7.73	16 x 26	21.30	24 x 34	34.50
8 x 20	8.00	16 x 28	22.70	24 x 36	38.41
8 x 22	8.62	16 x 30	24.96	24 x 38	38.80
8 x 24	9.00	16 x 32	25.16	24 x 40	41.20
8 x 26	10.00	16 x 36	25.36	24 x 42	41.32
8 x 28	11.33			24 x 44	42.69
8 x 30	12.00	18 x 18	15.56	24 x 46	45.35
		18 x 20	17.28	24 x 48	48.96
10 x 10	6.60	18 x 22	18.67	26 x 26	27.70
10 x 12	6.80	18 x 24	20.72	26 x 28	29.33
10 x 14	7.33	18 x 26	22.05	26 x 30	32.21
10 x 16	7.80	18 x 28	23.50	26 x 36	40.70
10 x 18	8.33	18 x 30	25.92	26 x 42	49.17
10 x 20	9.00	18 x 32	27.25	26 x 48	51.65
10 x 22	10.00	18 x 34	28.59	28 x 28	32.00
10 x 24	10.40	18 x 36	31.95	28 x 30	34.88
10 x 26	11.33	18 x 48	37.44	28 x 32	37.54
10 x 28	12.67			28 x 34	40.21
10 x 30	14.00	20 x 20	19.20	28 x 36	41.32
		20 x 22	20.55	28 x 38	44.00
12 x 12	7.20	20 x 24	22.04	28 x 40	46.67
12 x 14	8.00	20 x 26	24.37	28 x 42	51.84
12 x 16	8.60	20 x 28	25.71	28 x 48	54.32
12 x 18	8.90	20 x 30	28.80	30 x 30	41.04
12 x 20	10.00	20 x 32	30.13	30 x 32	43.70
12 x 22	10.35	20 x 34	31.47	30 x 34	46.37
12 x 24	10.80	20 x 36	34.56	30 x 36	49.58
12 x 26	12.00	20 x 40	40.00	30 x 40	52.24
12 x 28	13.35	20 x 48	42.08	30 x 42	54.72
12 x 30	14.30			30 x 44	57.38
		22 x 22	23.24	30 x 46	60.00
14 x 14	8.60	22 x 24	24.36	30 x 48	66.96
14 x 16	8.90	22 x 26	26.69		
14 x 18	9.35	22 x 28	28.03	36 x 36	54.45
14 x 20	10.40	22 x 30	30.68	36 x 42	63.84
14 x 22	11.33	22 x 32	33.00	36 x 48	72.56
14 x 24	12.00	22 x 34	34.25	42 x 42	80.64
14 x 26	13.35	22 x 36	38.00	42 x 48	85.68
14 x 28	14.35	22 x 40	40.70		
14 x 30	16.00	22 x 48	45.12	48 x 48	87.00

Always specify width and height dimensions.

U. S. ALUMINUM EXHAUST-FAN DAMPERS



Front View



Rear View

U. S. Aluminum Exhaust-Fan Dampers have louvers made of light strong, sheet aluminum. Each louver is die-stamped creating perfect uniformity and spaced with fiber washers thereby affording smooth, noiseless operation.

Louvers are suspended in Angle Iron Frames, which frames are drilled for attaching to wall or duct. All louvers operate in unison by an equalizing bar which keeps all louvers equidistant when fan is operating and when fan is stopped louvers close automatically and tightly.

List Prices of Standard Sizes U. S. Exhaust-Fan Dampers

12 x 12	\$16.00
16 x 16	18.00
18 x 18	19.40
20 x 20	24.00
24 x 24	26.80
28 x 28	33.20
30 x 30	36.80
34 x 34	50.40
36 x 36	66.00
40 x 40	72.00
42 x 42	75.20
44 x 44	79.60
48 x 48	88.00
50 x 50	97.40

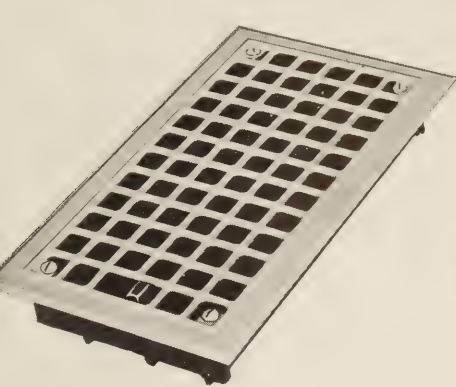
Order by size of duct or wall opening.

List Prices on special sizes will be furnished on application. Frames of exhaust-fan dampers are made in prime coat finish unless otherwise ordered.

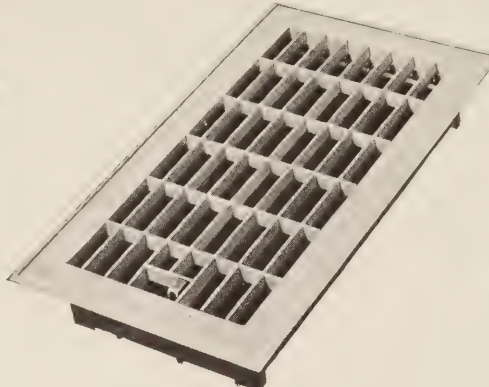
U. S. Exhaust-Fan Dampers as well as U. S. Aluminum Back Pressure Dampers are made special to order and not carried in stock —therefore cannot be returned for credit.

U. S. EMBOSSED STEEL, TRUSSTEEL, OPEN AND CLOSE MESH FLOOR REGISTERS

For Air Conditioning Requiring Multiple-Valve and Floor Register Installations



U. S. Air-Conditioning Floor Register
Embossed Steel Face Square Lattice Design



U. S. Open Mesh, Oblong Design
Trussteel Air-Conditioning Floor Register



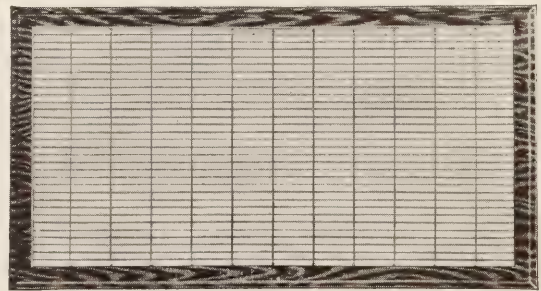
U. S. Close Mesh, Oblong Design
Trussteel Air-Conditioning Floor Register

To fit Floor Opening Size Inches	Black Japanned or Prime Coat	Oak or Lacquered Finishes	Electroplated		To fit Floor Opening Size Inches	Black Japanned or Prime Coat	Oak or Lacquered Finishes	Electroplated	
			Oxidized Copper Brass Bronze Plated	Chromium Nickel and Sanded Plated Finishes				Oxidized Copper Brass Bronze Plated	Chromium Nickel and Sanded Plated Finishes
4 x 8	\$1.50	\$1.80	\$2.20	\$2.40	9 x 9	\$2.00	\$2.40	\$3.90	\$4.90
4 x 10	1.55	1.90	2.40	2.60	9 x 12	2.10	2.55	4.00	5.10
4 x 12	1.80	2.20	2.80	3.10	9 x 14	3.10	3.70	5.20	6.50
4 x 15	3.00	3.60	4.00	4.30	9 x 16	4.70	5.65	7.15	8.55
4 x 18	4.00	4.65	5.00	5.40	9 x 18	6.65	8.00	9.35	11.00
6 x 8	1.55	1.85	2.80	3.10	10 x 10	2.35	2.85	4.35	5.35
6 x 10	1.60	1.95	3.00	3.50	10 x 12	2.40	2.90	4.40	5.50
6 x 12	1.85	2.25	3.50	4.20	10 x 14	3.15	3.80	5.25	6.55
6 x 14	2.85	3.45	4.95	5.75	10 x 16	4.85	5.85	7.20	8.60
6 x 16	4.00	4.80	6.00	6.90	10 x 18	6.70	8.05	9.45	11.00
6 x 18	5.20	6.25	7.00	8.00	12 x 12	4.00	4.80	6.35	7.90
8 x 8	1.60	1.95	3.00	3.70	12 x 14	4.35	5.25	6.85	8.25
8 x 10	1.65	2.00	3.15	3.85	12 x 15	4.50	5.40	7.00	8.50
8 x 12	1.90	2.30	3.65	4.40	12 x 16	5.60	6.70	8.25	9.75
8 x 14	3.00	3.60	5.10	6.20	12 x 18	6.80	8.15	9.55	11.25
8 x 16	4.50	5.40	6.75	8.00	14 x 14	7.90	9.45	11.00	14.30
8 x 18	6.60	7.90	9.40	10.70	14 x 16	8.50	10.20	11.50	16.50
					14 x 18	9.00	10.80	12.00	18.50

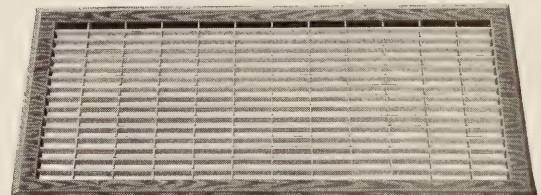
U. S. Trussteel open-Mesh and Close Mesh Faces for Air Conditioning Installations

To Fit Floor Opening Size Inches	Free Area Square Inches Open Mesh Trussteel Faces	Free Area Square Inches Close Mesh Trussteel Faces	Black Japanned or Prime Coat	Oak or Lacquered Finishes	Electroplated	
					Oxidized Copper and "A" Bronze	Chromium, Nickel, Brass or Bronze
4 x 10	31	28	\$.75	\$1.10	\$1.60	\$1.80
5 x 10	39	35	1.05	1.40	2.40	2.70
6 x 10	48	42	1.05	1.40	2.45	2.95
8 x 10	65	58	1.10	1.45	2.60	3.30
4 x 12	37	33	.95	1.35	2.15	2.45
5 x 12	48	43	1.20	1.60	2.85	3.30
6 x 12	58	51	1.25	1.60	2.90	3.60
8 x 12	78	69	1.30	1.70	3.05	3.75
9 x 12	88	79	1.45	1.90	3.35	4.45
10 x 12	99	89	1.70	2.20	3.70	4.80
4 x 14	44	40	1.20	1.65	2.85	3.00
5 x 14	56	50	1.50	2.00	3.50	3.90
6 x 14	68	60	1.65	2.10	3.75	4.50
8 x 14	92	82	2.00	2.60	3.95	5.10
10 x 14	116	104	2.20	2.85	4.30	5.60
12 x 14	139	125	2.50	3.00	4.50	6.75
4 x 16	50	45	1.60	1.90	3.10	3.60
5 x 16	64	58	1.80	2.55	3.80	4.30
6 x 16	78	69	2.00	2.80	4.00	4.90
8 x 16	105	94	2.70	3.60	5.00	6.25
10 x 16	133	119	2.95	3.95	5.30	6.70
4 x 20	63	57	2.00	2.45	3.75	4.55
5 x 20	81	73	2.25	2.75	4.10	4.95
6 x 20	98	87	2.50	3.70	4.75	5.85
8 x 20	133	119	3.90	5.60	6.90	8.25
10 x 20	167	150	4.35	5.75	7.50	9.30
4 x 24	75	67	2.75	3.75	4.20	5.35
5 x 24	97	88	3.00	4.00	4.50	5.65
6 x 24	118	105	2.70	3.10	4.70	5.90
8 x 24	159	142	3.00	3.15	4.40	5.90
10 x 24	201	180	3.60	3.75	5.00	6.50
12 x 24	238	214	3.75	4.00	5.50	8.00
14 x 24	282	253	4.00	4.90	6.70	9.50
4 x 30	95	85	3.00	3.25	4.40	6.90
5 x 30	121	109	3.20	3.45	4.60	6.10
6 x 30	148	131	3.40	3.65	4.80	6.30
8 x 30	201	179	3.60	3.85	5.00	6.50
10 x 30	254	226	3.75	4.25	5.75	8.00
12 x 30	301	271	4.00	4.50	6.00	9.00
14 x 30	354	317	4.50	5.00	9.00	13.00
16 x 30	407	365	5.50	6.00	9.50	14.00
18 x 30	456	409	5.75	6.50	10.00	15.00

CLOSE MESH — TOP VIEW

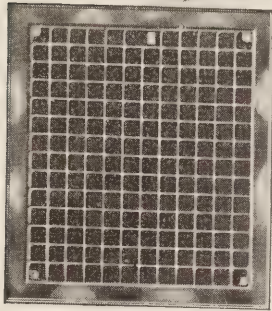


OPEN-MESH SIDE VIEW



U. S. MULTI-VALVE REGISTERS WITH EMBOSSED STEEL FACES

Or with Faces Made of Heavy Perforated Steel in Square Lattice or Other Standard Designs
For Contract Work



Embossed Face Register.
Manual operation or key
lock.

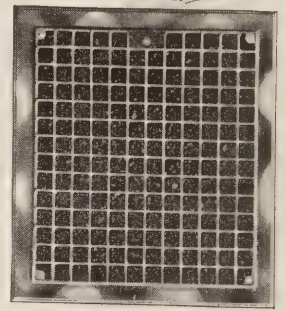
U. S. Sanisteel Reg-
isters made with
heavy punched steel
faces. Specially
adapted to contract
work.

Can be furnished
also with close-
space and open-
space fin-type reg-
ister faces.

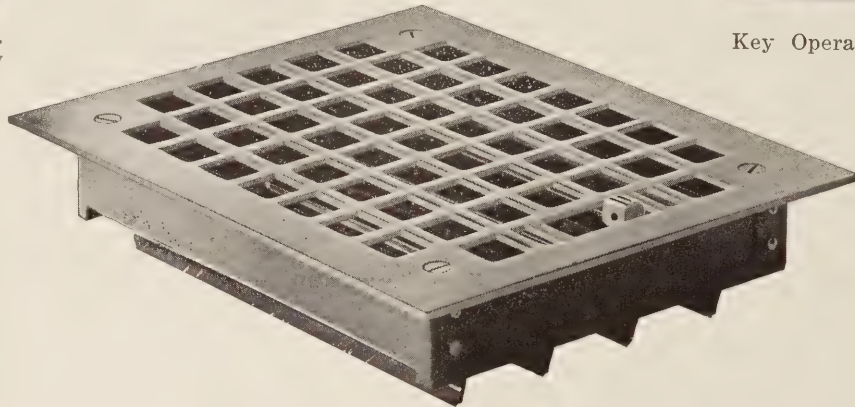
U. S. Key-operated Registers are the one and only
key-operated standard type of register that is also posi-
tive lock type.

U. S. Sani-steel Registers can be furnished with ordi-
nary thickness of Steel, USCO Bronze, or other non-
ferrous metal faces.

Neater—better—stronger than a cast face register.



Key Operated Register



U. S. Sanisteel Register

Register Operating Accessories

Pulleys are made of Solid Brass and furnished in Bright
Brass unless otherwise ordered excepting Nickel Plated
is furnished on orders for Nickel and White Registers.

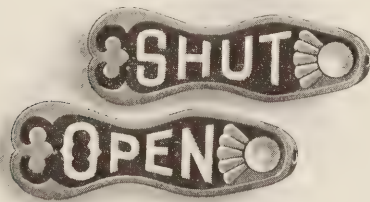


Sidewall Pulleys



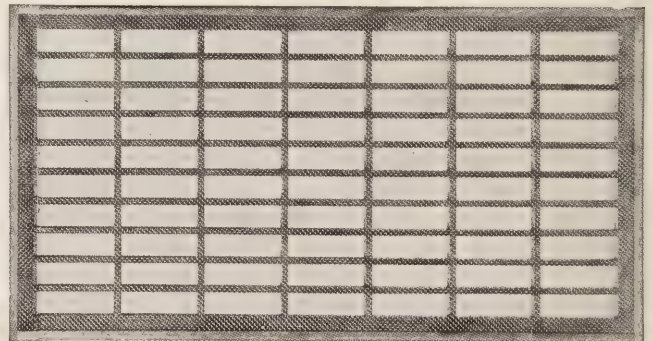
Ceiling Pulleys

INDICATOR HANDLES

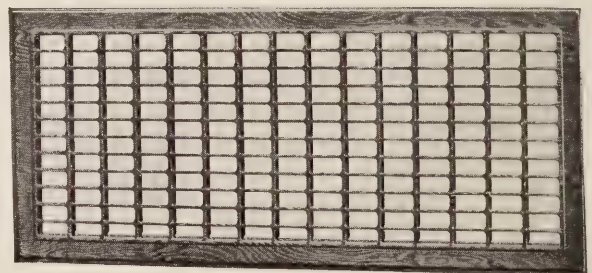


For complete prices see general register catalog.

U. S. CHECKER CAST FACE



U. S. SPECIAL STEEL FACE EMBOSSED— REINFORCED

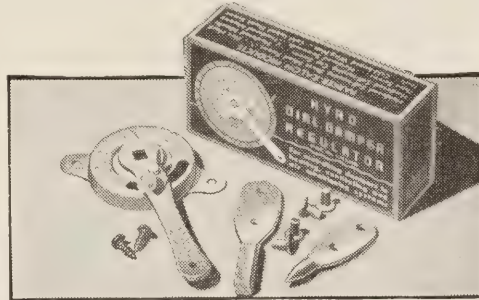


DIAL DAMPER REGULATORS, QUADRANT DAMPER REGULATORS, BEARINGS AND ROD CLIPS, NATIONAL WARM-AIR DAMPERS, NO-RIVET CLIPS AND TIPS

Dial Damper Regulator



DIAL DAMPER REGULATORS— $\frac{1}{4}$ inch or $\frac{3}{8}$ inch bearings Cadmium finish. Damper bearings are furnished for Dial Damper Regulators in $\frac{1}{4}$ inch and $\frac{3}{8}$ inch sizes.

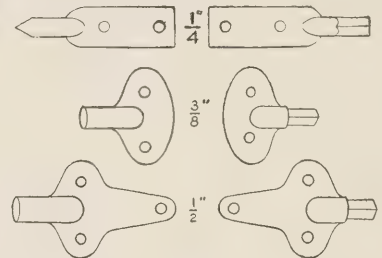


Dial Damper Regulator Sets

Consisting of: One $\frac{1}{4}$ " Dial Damper Regulator, one set of $\frac{1}{4}$ " Damper Bearings and the necessary screws and rivets.

Consisting of: One $\frac{3}{8}$ " Dial Damper Regulator, one set of $\frac{3}{8}$ " Damper Bearings and the necessary screws and rivets.

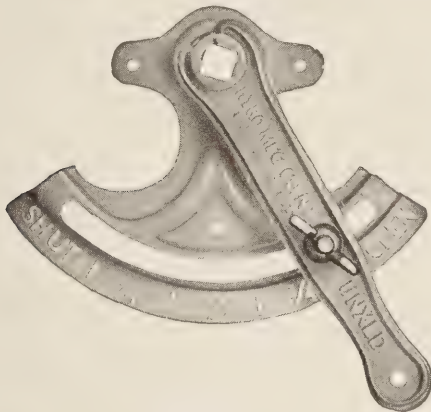
Damper Bearings



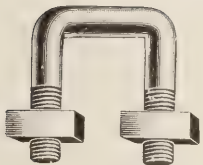
For Prices See Current Price Sheet

QUADRANT DAMPER REGULATORS are designed for heavier duties than the Dial Regulator. Made for $\frac{3}{8}$ ", $\frac{1}{2}$ ", $\frac{5}{8}$ ", $\frac{3}{4}$ " and $\frac{7}{8}$ " square rods or bearing in Galvanized finish. Dampers are furnished in $\frac{3}{8}$ " and $\frac{1}{2}$ " sizes. Larger sizes are usually used with square rods.

Quadrant Damper Regulator



Rod Clips



Made for the Following Sizes of Square Rod: $\frac{3}{8}$ ", $\frac{1}{2}$ ", $\frac{5}{8}$ ", $\frac{3}{4}$ " and $\frac{7}{8}$ ".

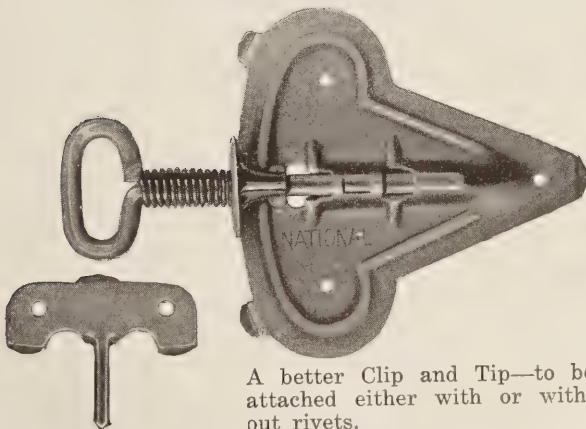
National Warm-Air Dampers

Reversible

All Steel



National No-Rivet Clip and Tip



A better Clip and Tip—to be attached either with or without rivets.

For net prices see our current discount sheet.

List Prices

Size	Dozen	Net Wt. Per Doz.
7"	\$1.60	5 Lbs.
8"	2.20	7 Lbs.
9"	2.60	8 Lbs.
10"	2.80	9 Lbs.
12"	3.50	13 Lbs.
14"	5.00	16 Lbs.

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Illustrations of U. S. Air-Conditioning Register Frames	18-19
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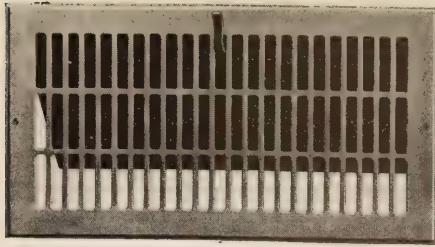
FINAL REQUEST

This Catalog is furnished in Loose-Leaf Form so that additional pages of new lines, prices, etc., may be inserted.

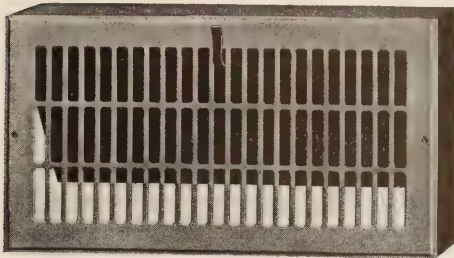
PRESERVE CAREFULLY

U. S. AIR-CONDITIONING REGISTERS and VENTS

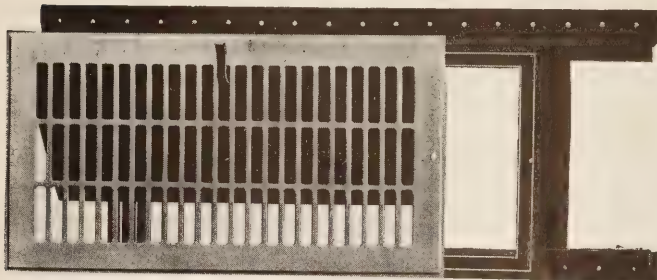
Made of Perforated Steel—Not Embossed—Non-Directional Flow



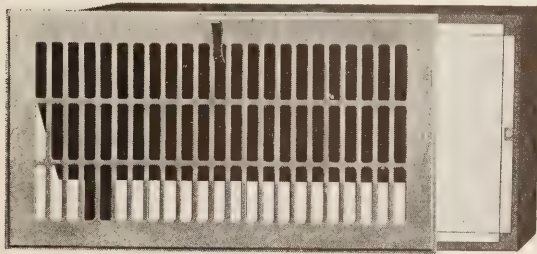
Style 103—One-Piece Sidewall



Style 109—One-Piece Baseboard



Style 106—Two-Piece Sidewall—with Stud Frame



Style 112—Two-Piece Baseboard Register—with
“Flange-Over” Baseboard Frame and Removable Face

Style 103—U. S. AIR-CONDITIONING (Sidewall) REGISTER is furnished with a Detachable Band Steel Frame that attaches inside of the Stackhead and to which frame the Register is attached with two screws.

Rubber Sealing Gaskets are not standard equipment with Style 103.

For List Prices see page 2.

Style 109—U. S. AIR-CONDITIONING (Baseboard) REGISTER has a $\frac{7}{8}$ inch base flange. Stackhead sets $\frac{5}{8}$ inch above finished floor.

Register Face is of One-Piece Construction. Is furnished with Detachable Band Steel Frame that attaches to inside of Stackhead and to which frame the Register is attached with screws.

Rubber Sealing Gaskets are not standard equipment with Style 109.

For List Prices see page 2.

Style 106—U. S. AIR-CONDITIONING (Sidewall) REGISTER is the Style 103 less Band Steel Frame but furnished or used with Studding Frame 125-S for Sidewall or Studding Frame 125-B for Baseboard.

For List Prices see page 4.

Style 112—U. S. AIR-CONDITIONING (Baseboard) REGISTER has a $\frac{7}{8}$ inch Base Flange. Register detaches from Baseboard Frame to permit flanging of Stackhead over frame.

Stackhead sets $\frac{5}{8}$ inch above the finished floor.

Properly installed, this style requires no Sealing or Packing if box is tightly set.

For List Prices see page 4.

JUST A WORD of Introduction — the Styles of A-C REGISTERS illustrated above have no claim to Directional Flow features — are made of different gauges of steel than our Standard Lines and we make no claim for their accomplishing the same High Standard of Efficiency as our Embossed styles and Directional-Flow lines. We extend our guarantee of comparative quality with other comparably-priced lines.



UNITED STATES REGISTER CO.

BATTLE CREEK, MICHIGAN

MINNEAPOLIS • KANSAS CITY • ALBANY • SAN FRANCISCO • NEW YORK, N. Y.



UNITED STATES REGISTER COMPANY

LIST PRICES U. S. AIR-CONDITIONING REGISTERS (Complete)

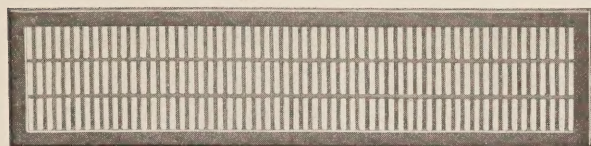
VALVES AND DAMPERS

Stackhead Size: (Horizontal Dimension First) Inches	ONE-PIECE SIDEWALL AIR- CONDITIONING REGISTERS WITH DETACHABLE BAND STEEL FRAME. List prices below do not include Rubber Sealing Gaskets			ONE-PIECE BASEBOARD AIR-CONDITIONING REG- ISTERS, 7/8-INCH BASE. WITH DETACHABLE BAND STEEL FRAME. List prices below do not include Rubber Sealing Gaskets			If Styles 103 or 109 are furnished less valves, deduct list prices of valve given below		If Styles 103 or 109 are furnished less band frames deduct list prices of frame given below	
	STYLE 103			STYLE 109			Valve Lists	Band Steel Frame Lists		
	Black Japanned or Prime Coat	White Oak Lacquered Bronze Finish	Electro Plated Ox. Copper Brass, Bronze and Nickel	Black Japanned or Prime Coat	White Oak Lacquered Bronze Finish	Electro Plated Ox. Copper Brass, Bronze and Nickel				
8 x 4	\$1.30	\$1.45	\$2.15	\$1.45	\$1.60	\$2.25	\$0.50		\$0.20	
8 x 6	1.45	1.60	2.35	1.60	1.75	2.50	.55		.20	
10 x 4	1.35	1.50	2.20	1.50	1.65	2.35	.50		.20	
10 x 5	1.40	1.60	2.35	1.60	1.75	2.50	.55		.20	
10 x 6	1.45	1.65	2.40	1.65	1.80	2.55	.55		.20	
10 x 8	1.65	1.80	2.65	1.80	2.00	2.85	.60		.25	
12 x 4	1.45	1.60	2.35	1.60	1.75	2.50	.55		.20	
12 x 5	1.60	1.75	2.60	1.75	1.95	2.75	.60		.25	
12 x 6	1.65	1.80	2.65	1.80	2.00	2.85	.60		.25	
12 x 8	1.75	1.95	2.85	1.95	2.15	3.05	.65		.25	
12 x 9	1.90	2.10	3.10	2.10	2.35	3.30	.70		.30	
12 x 10	2.15	2.40	3.50	2.40	2.60	3.75	.80		.30	
14 x 4	1.45	1.65	2.40	1.65	1.80	2.55	.55		.20	
14 x 5	1.65	1.80	2.65	1.80	2.00	2.85	.60		.25	
14 x 6	1.75	1.95	2.85	1.95	2.15	3.05	.65		.25	
14 x 8	1.90	2.10	3.10	2.10	2.35	3.30	.70		.30	
14 x 10	2.40	2.70	3.95	2.70	2.95	4.20	.90		.35	
16 x 4	1.60	1.75	2.60	1.75	1.95	2.75	.60		.25	
16 x 5	1.70	1.90	2.80	1.90	2.10	2.95	.65		.25	
16 x 6	1.90	2.10	3.10	2.10	2.35	3.30	.70		.30	
18 x 4	1.65	1.80	2.65	1.80	2.00	2.85	.60		.25	
18 x 5	1.75	1.95	2.85	1.95	2.15	3.05	.65		.25	
18 x 6	2.05	2.25	3.30	2.25	2.50	3.55	.75		.30	
20 x 4	1.75	1.95	2.85	1.95	2.25	3.05	.65		.25	
20 x 5	1.90	2.10	3.10	2.10	2.35	3.30	.70		.30	
20 x 6	2.30	2.55	3.75	2.55	2.80	4.00	.85		.35	
24 x 4	2.05	2.25	3.30	2.25	2.50	3.55	.75		.30	
24 x 5	2.15	2.40	3.50	2.40	2.60	3.75	.80		.30	
24 x 6	2.60	2.85	4.20	2.85	3.15	4.50	.95		.40	
24 x 8	3.00	3.30	4.85	3.30	3.65	5.20	1.10		.45	
30 x 4	2.50	2.80	4.10	2.80	3.05	4.35	.95		.35	
30 x 5	2.70	3.00	4.40	3.00	3.30	4.70	1.00		.40	
30 x 6	3.10	3.45	5.05	3.45	3.80	5.40	1.15		.45	
30 x 8	3.50	3.90	5.70	3.90	4.25	6.10	1.30		.50	
30 x 10	3.95	4.35	6.40	4.35	4.80	6.85	1.45		.60	

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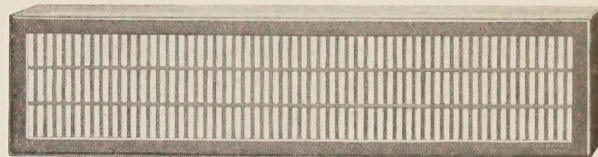


U. S. AIR-CONDITIONING BASEBOARD VENTS—with $\frac{7}{8}$ -Inch Baseboard Flange



Style 115—Baseboard Vent— $\frac{7}{8}$ -Inch Flange

U. S. AIR-CONDITIONING FLAT SIDEWALL VENTS



Style 118—Sidewall Vent

Wall Opening Size: (Horizontal Dimension First) Inches	BASEBOARD AIR-CONDITIONING VENTS WITH 7/8-INCH BASE FLANGE. LESS BAND FRAMES			Wall Opening Size: (Horizontal Dimension First) Inches	SIDEWALL AIR-CONDITIONING VENTS —FLAT BORDER. LESS BAND STEEL FRAMES		
	STYLE 115				STYLE 118		
	Black Japanned or Prime Coat	White Oak and Lacquered Bronze Finish	Electro Plated Ox. Copper Brass, Bronze and Nickel		Black Japanned or Prime Coat	White Oak and Lacquered Bronze Finish	Electro Plated Ox. Copper Brass, Bronze and Nickel
8 x 4	\$0.75	\$0.90	\$1.55	8 x 4	\$0.60	\$0.70	\$1.45
8 x 6	.85	1.00	1.75	8 x 6	.70	.85	1.60
10 x 4	.80	.95	1.65	10 x 4	.65	.80	1.50
10 x 5	.85	1.00	1.75	10 x 5	.70	.85	1.60
10 x 6	.90	1.05	1.80	10 x 6	.70	.90	1.65
10 x 8	.95	1.15	2.00	10 x 8	.80	.95	1.80
12 x 4	.85	1.00	1.75	12 x 4	.70	.85	1.60
12 x 5	.90	1.10	1.90	12 x 5	.75	.90	1.75
12 x 6	.95	1.15	2.00	12 x 6	.80	.95	1.80
12 x 8	1.05	1.25	2.15	12 x 8	.85	1.05	1.95
12 x 9	1.10	1.35	2.30	12 x 9	.90	1.10	2.10
12 x 10	1.30	1.50	2.65	12 x 10	1.05	1.30	2.40
14 x 4	.90	1.05	1.80	14 x 4	.70	.90	1.65
14 x 5	.95	1.15	2.00	14 x 5	.80	.95	1.80
14 x 6	1.05	1.25	2.15	14 x 6	.85	1.05	1.95
14 x 8	1.10	1.35	2.30	14 x 8	.90	1.10	2.10
14 x 10	1.45	1.70	2.95	14 x 10	1.15	1.45	2.70
16 x 4	.90	1.10	1.90	16 x 4	.75	.90	1.75
16 x 5	1.00	1.20	2.05	16 x 5	.80	1.00	1.90
16 x 6	1.10	1.35	2.30	16 x 6	.90	1.10	2.10
				18 x 4	.80	.95	1.80
				18 x 5	.85	1.05	1.95
				18 x 6	1.00	1.20	2.25
20 x 4	1.05	1.25	2.15	20 x 4	.85	1.05	1.95
20 x 5	1.10	1.35	2.30	20 x 5	.90	1.10	2.10
20 x 6	1.35	1.60	2.80	20 x 6	1.10	1.35	2.55
24 x 4	1.20	1.45	2.50	24 x 4	1.00	1.20	2.25
24 x 5	1.30	1.50	2.65	24 x 5	1.05	1.30	2.40
24 x 6	1.50	1.80	3.15	24 x 6	1.25	1.50	2.85
				24 x 8	1.45	1.75	3.30
30 x 4	1.50	1.75	3.05	30 x 4	1.20	1.50	2.80
30 x 5	1.60	1.90	3.30	30 x 5	1.30	1.60	3.00
30 x 6	1.85	2.20	3.80	30 x 6	1.50	1.85	3.40
30 x 8	2.10	2.45	4.30	30 x 8	1.70	2.10	3.90
				30 x 10	1.90	2.30	4.35

List prices of Style 115 A. C. vents above do not include detachable band steel frames.

List prices of Style 118 A. C. vents above do not include band steel frames.



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Stackhead Size: (Horizontal Dimension First) Inches	SIDEWALL TWO-PIECE AIR-CONDI- TIONING REGISTERS WITH SIDEWALL OR BASEBOARD STUDDING FRAMES.			Stackhead Size: (Horizontal Dimension First) Inches	BASEBOARD TWO-PIECE AIR-CONDI- TIONING REGISTERS WITH BASE- BOARD 7/8-INCH "FLANGE-OVER" STACKHEAD FRAME.		
	List prices below do not include Rubber Sealing Gaskets.						
	STYLE 106				STYLE 112		
	Black Japanned or Prime Coat	White Oak and Lacquered Bronze Finish	Electro Plated Ox. Copper Brass, Bronze and Nickel		Black Japanned or Prime Coat	White Oak and Lacquered Bronze Finish	Electro Plated Ox. Copper Brass, Bronze and Nickel
8 x 4	\$1.85	\$2.00	\$2.70	8 x 4	\$1.85	\$2.00	\$2.70
8 x 6	2.10	2.25	3.00	8 x 6	2.10	2.25	3.00
10 x 4	1.95	2.10	2.80	10 x 4	1.95	2.10	2.80
10 x 5	2.10	2.25	3.00	10 x 5	2.10	2.25	3.00
10 x 6	2.15	2.35	3.10	10 x 6	2.15	2.35	3.10
10 x 8	2.35	2.50	3.35	10 x 8	2.35	2.50	3.35
12 x 4	2.10	2.25	3.00	12 x 4	2.10	2.25	3.00
12 x 5	2.25	2.40	3.25	12 x 5	2.25	2.40	3.25
12 x 6	2.35	2.50	3.35	12 x 6	2.35	2.50	3.35
12 x 8	2.55	2.75	3.65	12 x 8	2.55	2.75	3.65
12 x 9	2.70	2.90	3.90	12 x 9	2.70	2.90	3.90
12 x 10	3.15	3.40	4.50	12 x 10	3.15	3.40	4.50
14 x 4	2.15	2.35	3.10	14 x 4	2.15	2.35	3.10
14 x 5	2.35	2.50	3.35	14 x 5	2.35	2.50	3.35
14 x 6	2.55	2.75	3.65	14 x 6	2.55	2.75	3.65
14 x 8	2.70	2.90	3.90	14 x 8	2.70	2.90	3.90
14 x 10	3.50	3.80	5.05	14 x 10	3.50	3.80	5.05
16 x 4	2.25	2.40	3.25	16 x 4	2.25	2.40	3.25
16 x 5	2.45	2.65	3.55	16 x 5	2.45	2.65	3.55
16 x 6	2.70	2.90	3.90	16 x 6	2.70	2.90	3.90
18 x 4	2.35	2.50	3.35	18 x 4	2.35	2.50	3.35
18 x 5	2.55	2.75	3.65	18 x 5	2.55	2.75	3.65
18 x 6	2.95	3.15	4.20	18 x 6	2.95	3.15	4.20
20 x 4	2.55	2.75	3.65	20 x 4	2.55	2.75	3.65
20 x 5	2.70	2.90	3.90	20 x 5	2.70	2.90	3.90
20 x 6	3.30	3.55	4.75	20 x 6	3.30	3.55	4.75
24 x 4	2.95	3.15	4.20	24 x 4	2.95	3.15	4.20
24 x 5	3.15	3.40	4.50	24 x 5	3.15	3.40	4.50
24 x 6	3.70	3.95	5.30	24 x 6	3.70	3.95	5.30
24 x 8	4.30	4.60	6.15	24 x 8	4.30	4.60	6.15
30 x 4	3.65	3.95	5.25	30 x 4	3.65	3.95	5.25
30 x 5	3.90	4.20	5.60	30 x 5	3.90	4.20	5.60
30 x 6	4.50	4.85	6.45	30 x 6	4.50	4.85	6.45
30 x 8	5.10	5.50	7.30	30 x 8	5.10	5.50	7.30
30 x 10	5.65	6.05	8.10	30 x 10	5.65	6.05	8.10

AIR-CONDITIONING REGISTER

26-A-C

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